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## PRESIDENTS MESSAGE

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Dear Fellow Blue Hawks:

Welcome—or welcome back—to Dickinson State University. We are delighted to have you as a student!

In this catalog, you will find a wide range of academic opportunities. We want to do everything we can to help you find the courses that fit your educational and career interests and keep you on track for graduation. Please call upon your advisor for help with constructing a schedule that meets those goals.

We are grateful for your dedication to your education and to DSU. To those who endured the COVID restrictions of the second half of the spring semester of 2020 and/or the academic year of 2020-2021, congratulations for

persevering with your studies. We are glad to have many of you back on campus and also happy to have those continuing their education online with us.

Dickinson State is a small community with big opportunities. Some of those opportunities are in the pages of this catalog. Others are outside the classroom. While you are at DSU, please take advantage of the myriad of experiences available to you, both inside and outside the classroom. We are here to support you every step of the way!

Hawks Are Up!

President Stephen D. Easton

# ACADEMIC AFFAIRS CALENDAR

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## Dickinson State University

### Academic Calendar

2021-2022

#### Fall Semester

August	23	Monday	Residual registration/Classes begin – 3:00 p.m. (m.t.)
	26	Thursday	Last day to add a first eight-week course/Last day to drop a first eight-week course w/o academic penalty (“W”)
	31	Tuesday	Last day to declare collaborative status
September	1	Wednesday	Last day to apply for fall 2021 graduation
	1	Wednesday	Last day to add a 16-week course/Last day to drop a 16-week course w/o academic penalty (“W”)
	6	Monday	Labor Day Holiday
	20	Monday	Enrollment census date
	29	Wednesday	Last day to drop a first eight-week course
October	11-15	Monday-Friday	Mid-term examinations
	18	Monday	First day of second eight-week courses
	18-22	Monday-Friday	Pre-registration for online, early entry and dual credit students
	22	Friday	Last day to add second eight-week course/Last day to drop second eight-week course w/o academic penalty (“W”)
	25-29	Monday-Friday	Pre-registration for returning students
November	11	Thursday	Veterans Day holiday
	12	Friday	Last day to drop a 16-week course/withdraw for semester
	23	Tuesday	Thanksgiving recess begins after evening classes
	24-26	Wednesday-Friday	Thanksgiving holiday
	29	Monday	Last day to drop a second eight-week course
December	10	Friday	Last day of regular classes
	13-17	Monday-Friday	Final examinations
	17	Friday	Semester ends/Commencement
	22	Wednesday	Final grades due – 8:00 a.m. (m.t.)

**Spring Semester**

January	10	Monday	Residual registration/Classes begin – 3:00 p.m. (m.t.)
	13	Thursday	Last day to add a first eight-week course/Last day to drop a first eight-week course w/o academic penalty (“W”)
	17	Monday	Martin Luther King Jr. holiday
	19	Wednesday	Last day to declare collaborative status
	20	Thursday	Last day to add a 16-week course/Last day to drop a 16-week course w/o academic penalty (“W”)
February	1	Tuesday	Last day to apply for spring 2022/summer 2022 graduation
	7	Monday	Enrollment census date
	17	Thursday	Last day to drop a first eight-week course
	21	Monday	Presidents Day holiday
	28-Mar 4	Monday-Friday	Mid-term examinations
March	7	Monday	First day of second eight-week courses
	11	Friday	Last day to add second eight-week course/Last day to drop second eight-week course w/o academic penalty (“W”)
	14-18	Monday-Friday	Spring break
	14-18	Monday-Friday	Pre-registration for online, early entry, and dual credit students
	21-24	Monday-Thursday	Pre-registration for returning students
April	8	Friday	Last day to drop a 16-week course/withdraw for semester
	15-18	Friday-Monday	Easter Recess
	21	Thursday	Last day to drop a second eight-week course
May	6	Friday	Last day of regular classes
	9-13	Monday-Friday	Final examinations
	14	Saturday	Commencement
	18	Wednesday	Final grades due – 8:00 a.m. (m.t.)

# THE UNIVERSITY

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## CATALOG DISCLAIMER STATEMENT/AFFIRMATIVE ACTION

This catalog is published by Dickinson State University to provide prospective students and other interested individuals with information concerning this institution. Any part of this catalog may be changed or revoked without notice and may not serve as a binding obligation with the State of North Dakota or Dickinson State University.

This catalog is intended to be a description of the policies, academic programs, degree requirements, and course offerings in effect for the 2021-2022 academic year. It should not be construed as an irrevocable contract between the student and the University. Dickinson State University reserves the right to change any of the policies, procedures, or fees described in this catalog and to apply these changes to any or all of its students as it sees fit. The University may also choose to add or delete course offerings or degree programs at any time.

## Notice of Nondiscrimination

Dickinson State University is an equal opportunity and affirmative action institution that does not discriminate on the basis of race, color, sex, sexual orientation, gender, national origin, age, religion, gender identity, creed, marital status, veteran's status, political belief or affiliation, information protected by the Genetic Information Nondiscrimination Act ("GINA") or disability in its admissions, student aid, employment practices, educational programs or other related activities. Pursuant to Title IX of the Education Amendments of 1972, Dickinson State University does not discriminate on the basis of sex in its educational programs, activities, or employment opportunities as required by Title IX. Dickinson State University complies with the provisions of the North Dakota Human Rights Act.

Inquiries concerning Title VI, VII, ADA, ADEA, Title IX, and Section 504 may be referred to either the Title IX Coordinator, Keith James, Dickinson State University, 291 Campus Drive, Student Center, Room 113, Dickinson, ND 58601 (701) 483-2391, [dsu.titleix@dickinsonstate.edu](mailto:dsu.titleix@dickinsonstate.edu) or to the:

Affirmative Action Officer, Krissy Kilwein, Dickinson State University, 291 Campus Drive, May Hall, Room 309, Dickinson, ND 58601, (701) 483-2370, [dsu.affirmativeaction@dickinsonstate.edu](mailto:dsu.affirmativeaction@dickinsonstate.edu) or to the:

The Office for Civil Rights/Chicago  
U.S. Department of Education, Citigroup Center  
500 W Madison Street, Suite 1475, Chicago, IL 60661  
Telephone: (312) 730-1560,  
FAX: (312) 730-1576  
TDD: (800) 877-8339  
email: [OCR.Chicago@ed.gov](mailto:OCR.Chicago@ed.gov), website: [ed.gov/ocr](http://ed.gov/ocr).

U.S. Equal Employment Opportunity Commission  
330 South Second Avenue  
Suite 720  
Minneapolis, MN 55401-2224  
1-800-669-4000  
Fax: 612-335-4044  
TTY: 1-800-669-6820  
[www.eeoc.gov](http://www.eeoc.gov)

## Disclaimer from the North Dakota State Board of Higher Education

The State Board of Higher Education requires that the following announcement be published in all catalogs and bulletins of information issued by institutions of North Dakota: "Institutions shall publish electronic and/or hard copies of catalogs and bulletins for the purpose of furnishing prospective students and other interested persons with information about the institutions. Announcements contained in such printed or electronic material are subject to change without notice; and may not be regarded in the nature of binding obligations on the institutions and the State."

Dickinson State University is accredited by The Higher Learning Commission located at 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1413.

## LOCATION AND SETTING

The residential facilities and traditional face-to-face classes and activities of Dickinson State University are located on a beautiful 132 acre campus in the city after which the University is named. Dickinson, the seventh largest city in the state, is the hub of West River North Dakota and boasts a population of approximately 22,000+. The University serves as a cultural, social, recreational and intellectual center for the residents of the West River region.

Dickinson is located directly along Interstate 94 and, is served by commercial air service transportation. The University and the city are situated near the scenic North Dakota Badlands and Theodore Roosevelt National Park, the area where Roosevelt ranched prior to his ascendancy to national prominence. One hour's drive north of Dickinson is Lake Sakakawea, created in the 1950s by the Garrison Dam project. This region of North Dakota abounds with some of the country's finest hunting, fishing, camping, and hiking opportunities.

Dickinson State University serves the communities beyond the southwestern region through distance education. The University delivers its programs through a hybrid of face-to-face and interactive video techniques especially in Bismarck and Williston, often in conjunction with articulation agreements with area two-year institutions. The University also offers degree programs online throughout North Dakota, the United States, and the world. [DSU State Authorization | Dickinson State University](#) provides the list of states the University is authorized to deliver online courses to.

## HISTORICAL SKETCH

Dickinson Normal School was created in 1916 by a constitutional amendment approved by North Dakota voters. Classes began in 1918 with a two-year program designed to train elementary and secondary teachers. In 1931, four-year degrees were offered for the first time under the school's new name, Dickinson State Teachers College. In recognition of the institution's broadened curriculum, Dickinson State Teachers College became Dickinson State College in 1963. University status was granted in 1987 as the progression of education in the West River region was recognized by the State Board of Higher Education. The University was approved to offer its first master's degree in 2017.

## UNIVERSITY MISSION STATEMENT

Dickinson State University is a regional comprehensive institution within the North Dakota University System, whose primary role is to contribute to intellectual, social, economic, and cultural development, especially to Southwestern North Dakota. The University's mission is to provide high-quality, accessible programs; to promote excellence in teaching and learning; to support scholarly and creative activities; and to provide service relevant to the economy, health, and quality of life for the citizens of the State of North Dakota.

## ACADEMICS AT DICKINSON STATE

The University long ago outgrew its original teachers' college status and has since adopted a broader mission. The present programs include not only teacher education and the liberal arts, but also specialized programs. There is opportunity for pre-professional study and career and technical programs in selected areas as well.

Recognizing the individuality of each student, the faculty strives not only to train students for future occupations but to stimulate students' curiosity and challenge their abilities in many areas. Students build their programs around a core of general education courses, which include fine arts, humanities, natural sciences, mathematics, and the social and behavioral sciences. Dickinson State University students are encouraged to complete their general education requirements by the end of their sophomore year. Students then direct their focus as juniors and seniors toward a major field of study. Dickinson State University believes that its curriculum offers students a vital combination of intellectual challenge, professional training, and practical experience.

## ACCREDITATIONS AND MEMBERSHIPS

Dickinson State University is accredited by the:

- Higher Learning Commission, (HLC), 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604
- Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326
- Council on the Accreditation of Educator Preparation (CAEP) 1140 19th St NW, Suite 400, Washington, DC 20036
- National Association of Schools of Music (NASM) 11250 Roger Bacon Drive, Suite 21 Reston, VA 20190-5248
- International Assembly for Collegiate Business Education (IACBE) 11374 Strang Line Road, Lenexa, KS 66215
- The University holds memberships in the American Association of Colleges for Teacher Education, the American Association of State Colleges and Universities, the Collaboration and the Council for Undergraduate Research and the Western Interstate Commission for Higher Education.

# ADMISSION REQUIREMENTS

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## INTRODUCTION

The Office of Admissions serves prospective students as they navigate the admission process at Dickinson State University. All policies and procedures for processing applications for admission are designed to be in compliance with State Board of Higher Education (SBHE) and North Dakota University System (NDUS) policies. SBHE and NDUS policies can be found at NDUS.edu.

Dickinson State University has a rolling admission policy. While we strongly encourage students to apply early, students may apply at any time of the year. Students admitted early benefit from early registration opportunities.

In order to ensure timely processing of admission documents, the preferred application deadlines are: Fall Semester, Aug. 1; Spring Semester, December 15; Summer Session, May 1.

Documents and communications may be submitted to the following address:

**Dickinson State University  
Office of Admissions  
291 Campus Drive  
Dickinson, ND 58601**

## FAMILY EDUCATION RIGHTS AND PRIVACY ACT (FERPA)

Dickinson State University student records maintained by the University fall into two general categories: directory information and educational records. As custodian of student records in compliance with the Family Educational Rights and Privacy Act of 1974, the University assumes the trust and obligation to ensure the full protection of student records which includes maintaining the confidentiality of educational records. University personnel who have or accumulate educational records that are in a personally identifiable form shall comply with the administrative procedures that follow as required under SBHE Policy 1912.

Directory information is information concerning a student which may be released publicly. It includes the following:

- Student name\*
- Hometown (city, state)
- Campus e-mail address\*\*
- Height, weight and photos of athletic team members
- Major field of study (all declared majors)
- Minor field of study (all declared minors)
- Class level
- Dates of attendance
- Enrollment status (withdrawn, half-time, full-time)

- Names of previous institutions attended
- Participation in officially recognized activities and sports
- Honors/awards received
- Degree earned (all degrees earned)
- Date degree earned (dates of all degrees earned)
- Directory photos, photographs and video recordings of student in public or non-classroom settings (photographs from classrooms or class-related activities are NOT directory information)

Under the Family Educational Rights and Privacy Act, students have the right to request directory information not be made public by contacting their registrar's office. Campuses will honor student requests to withhold directory information until the student makes the request in writing to lift the restriction.

Campuses receive many inquiries for 'directory information' from a variety of sources including, but not limited to, prospective employers, other colleges and universities, graduate schools, licensing agencies, government agencies, news media, parents, friends, and relatives. Campuses have no responsibility to contact students for subsequent permission to release directory information after it is restricted.

If a student provides a preferred name, the college or university tries to use it when communicating directly with the student. The preferred name is also used in class/grade rosters, academic requirement reports, email addresses, etc. Preferred name is a supported business practice, unless there is a documented business or legal reason to use a student's legal name. When communicating with outside third parties, including parents, the college or university generally uses a student's legal name.

Campus email addresses are only disclosed to requestors who agree to not use them for solicitation.

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include the following:

- 1) The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

*Students should submit to the Registrar, Dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.*

- 2) The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

*Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his/her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.*

- 3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

*One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A University official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her professional responsibility. University officials are those members of an institution who act in the student's educational interest within the limitations of their "need to know." These may include faculty, administration, clerical and professional employees and other persons who manage student education record information including student employees or agents. Examples of a school official may include a person—*

- a) employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff);
- b) or company with whom the University has contracted, e.g. attorney, auditor, collection agency;
- c) serving on an institutional governing board;
- d) or student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his/her tasks.

- 4) Other disclosures allowable without written consent are:

- a) to institutions in which the student seeks to enroll or is enrolled so long as the disclosure is for purposes relating to the student's enrollment or transfer;
- b) to authorized representatives of federal, state, or local educational authorities;

- c) to accrediting agencies;
- d) in connection with a health or safety emergency;
- e) to comply with a judicial order or lawfully issued subpoena;
- f) concerning information considered "Directory Information."

- 5) The right to refuse to permit the designation of all of the aforementioned categories of personally identifiable information as "Directory Information."

*Under the Family Educational Rights and Privacy Act, students have the right to request directory information not be made public by notifying the Office of Academic Records. Students should be aware that information might be collected for use in publications in advance of printing. In order to effectively suppress release of directory information, students must restrict their directory information by the tenth day of the term and not reverse that restriction during the term.*

*The university receives many inquiries for 'directory information' from a variety of sources including, but not limited to, prospective employers, other colleges and universities, graduate schools, licensing agencies, government agencies, news media, parents, friends, and relatives. Students should consider very carefully the consequences of their decision to withhold release of any or all directory information items. Dickinson State University has no responsibility to contact students for subsequent permission to release directory information after it is restricted. DSU will honor student requests to withhold directory information until the student specifically and officially requests to lift these restrictions.*

- 6) The right to file a complaint with the U.S. Department of Education concerning alleged failures by Dickinson State University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue SW  
Washington, DC 20202



## ADMISSION POLICY DISCLAIMER

Admission policies at Dickinson State University are reviewed annually and are subject to change. Visit the Dickinson State University website at [www.dickinsonstate.edu/admissions](http://www.dickinsonstate.edu/admissions) for the latest admission information or contact the Office of Admissions at 1.800.279.HAWK, 701-483-2175 or at [dsu.hawk@dickinsonstate.edu](mailto:dsu.hawk@dickinsonstate.edu).

Falsification or omission of information may result in a denial of admission, rescission of admission, dismissal or other appropriate sanctions.

## INITIAL DETERMINATION OF RESIDENCY STATUS

The State of North Dakota has established specific laws and entered into contractual agreements with other states to offer discounted tuition for those who qualify. Per NDUS policy 504, Dickinson State University uses the common application for admission to determine initial residency for incoming students. All applicants are assumed to be non-residents for initial residency unless sufficient evidence is provided on the application for admission. Knowingly providing inaccurate information or making false statements in answering questions regarding residency may result in prosecution in North Dakota for a class A misdemeanor.

Individuals who indicate in their application for admission that they are not a U.S. citizen, but hold permanent residency, must provide proof of a valid alien registration number prior to enrollment.

## DOCUMENTATION OF IMMUNITY

New students must provide documentation of immunity against measles, mumps and rubella. In compliance with NDUS Policy 506.1, immunity may be proven by:

1. Presenting evidence of two doses of measles, mumps, and rubella vaccine at least one month apart from a health licensed physician or an authorized representative of a state or local health department
2. Presenting proof of a positive serological test for measles, mumps and rubella; and/or
3. Presenting proof of date of birth prior to 1957

Newly admitted students ages 21 and younger must provide documentation of immunity against meningococcal. Records must indicate that the immunization was received after turning 16 years of age.

**Exemptions** apply to students enrolled in only online courses or if the applicant falls into any of the following categories:

1. Immunization is contraindicated by a medical condition.
2. A student has had one immunization and agrees to have a second one no less than one month later.

3. A student's beliefs preclude participation in an immunization program.
4. Student is a DSU employee enrolled in courses.

## FRESHMAN ADMISSION

Incoming freshmen are encouraged to complete the application process between September and January for the following Fall Semester, or by November for the following Spring Semester, to ensure their application and documents can be processed in a timely manner. Applicants can expect an admission decision by email and postal mail.

Applications are evaluated on an individual basis. Admission decisions are based on the total high school record.

Applicants must complete the following high school college preparatory courses, if under the age of 25 before the first day of classes (one unit equals one year of study):

- 4 units of English;
- 3 units of mathematics (at the level of algebra 1 and above);
- 3 units of laboratory science, including at least 1 unit each in 2 or more of the following: biology, chemistry, physics, or physical science; and
- 3 units of social science.

In addition to fulfilling the college preparatory courses, grade point average (GPA) and ACT or SAT scores are considered in evaluating an application. The general guidelines used in making admission decisions include a cumulative GPA of 2.0 (4.0 scale). An ACT composite score of 18 or higher, or equivalent SAT score.

Students who do not meet these guidelines will be considered if other supporting factors show potential for success. Students over 25 years of age and older on the first day of classes are exempt from the ACT or SAT requirement.

First year applicants applying to certificate and associate degree programs are required to submit an official high school transcript as described above. ACT or SAT scores are optional and used for the purpose of placement as defined in the NDUS Procedure 402.1.2. To be considered for scholarships, ACT or SAT are required.

DSU will accept high school equivalency examinations in lieu of high school diploma, in accordance with NDUS procedure 402.11.

THE GED IS THE ONLY TEST OF HIGH SCHOOL EQUIVALENCY RECOGNIZED FOR NORTH DAKOTA AND RECOGNIZED BY THE STATE. GED APPLICANT WHO TESTED IN 2014 OR LATER MUST PROVIDE DOCUMENTATION OF A GED WITH A MINIMUM SCORE EQUAL TO OR GREATER THAN 145 TO ANY NORTH DAKOTA COMMUNITY COLLEGE, MINOT STATE UNIVERSITY, MAYVILLE STATE UNIVERSITY, VALLEY CITY STATE UNIVERSITY, OR DICKINSON STATE UNIVERSITY.

ENROLLMENT AT NORTH DAKOTA STATE UNIVERSITY OR UNIVERSITY OF NORTH DAKOTA REQUIRES A GED WITH A MINIMUM SCORE EQUAL TO OR GREATER THAN 170. APPLICANTS WITH GED OR GREATER THAN 170. APPLICANTS WITH GED SCORES PRIOR TO 2014 MUST MEET PRIOR REQUIREMENTS FOR SUCCESSFUL COMPLETION OF A GED.

## FRESHMAN ADMISSION PROCEDURES

To be considered for freshman admission, the following must be submitted:

1. The completed Application for Admission. The application is available online at [www.dickinsonstate.edu/admissions](http://www.dickinsonstate.edu/admissions).
2. A \$35 nonrefundable Application Fee. The fee can be paid at the time of application. An admission decision is not made until the fee is paid. SBHE Policy 805.3 mandates the undergraduate application fee of \$35.
3. An official high school transcript. An official in-progress transcript should be sent to make an admission decision and an official high school transcript with final grades and a graduation date is required upon completion of high school. Dickinson State University does not accept faxed transcripts.
4. Scores from the ACT or SAT unless at least 24 credits of college work is completed at the time of application, the applicant is 25 years or older, or is applying to a certificate or associates program. To be considered for scholarships ACT or SAT is required.
5. Official college transcripts. Students taking course work at colleges or universities while enrolled in high school should submit official transcripts. To be considered official, the transcripts must be sent directly to Dickinson State University from the issuing institution. Transcripts can be sent at the completion of all college coursework and are not required to make an admission decision.
6. Applicants with international coursework may be required to submit additional information in accordance with SBHE policy 402.9.
7. All final documentation must be submitted by September 1 (Fall), January 10 (Spring), May 15 (Summer). An admissions hold will be placed on student's account if documents are not received by deadline dates above.

Admission materials should be mailed directly to:

**Dickinson State University**  
**Office of Admissions**  
**291 Campus Drive**  
**Dickinson, ND 58601**

## TRANSFER APPLICANTS

Dickinson State University considers an applicant's overall academic performance when making an admission decision. An applicant's cumulative college grade point average (GPA) and high school preparation (if applicable) are taken into consideration when evaluating an applicant.

If transfer applicants have completed fewer than 24 college credits at the time of application, the high school record will be taken into consideration along with GPA for college course work.

If transfer applicants have completed more than 24 college credits at the time of application, a decision will be based on the cumulative GPA from all previously attended post-secondary institutions.

In most cases, it is recommended that all applicants present at least a 2.0 GPA in all college course work to be considered for admission. If transfer applicants have credits from more than one college or university, all credits will be combined to determine the cumulative GPA for admission consideration. When reviewing applications, particular attention is paid to students' most recent course work and the number of credits completed. If transfer applicants have in-progress course work at the time of application, all course work must be completed with a 2.0 GPA or above. Students who have been suspended from other institutions will not be considered for admission to Dickinson State University until the suspension has been lifted by that institution or until one year has elapsed.

## TRANSFER ADMISSION PROCEDURES

Students interested in transferring to Dickinson State University from another college or university should submit the following:

1. Completed Application for Admission. The application is available online at [www.dickinsonstate.edu/admissions](http://www.dickinsonstate.edu/admissions).
2. A \$35 nonrefundable Application Fee. The fee can be paid at the time of application. An admission decision is not made until the fee is paid. SBHE Policy 805.3 mandates the undergraduate application fee of \$35.
3. Official transcripts from all colleges and universities attended. In order to be considered official, transcripts must be submitted directly to the Office of Admissions from the college or post-secondary institution you attended. Dickinson State University does not accept faxed transcripts.
4. An official high school transcript (unless 24 semester/36 quarter credits college work have been completed at the time of application).
5. ACT or SAT score (unless 24 semester/36 quarter credits of college work have been completed at the time of application or the applicant is 25 or older).
6. Supplemental Applications may be required by students seeking admission to professional programs.
7. Applicants with international coursework may be required to submit additional information in accordance with SBHE policy 402.9.

8. All final documentation must be submitted by September 1 (Fall), January 10 (Spring), May 15 (Summer). An admissions hold will be placed on student's account if documents are not received by deadline dates above.

Upon admission to Dickinson State University, applicant transcripts will be forwarded to the Dickinson State University Office of Academic Records for an evaluation of transfer credits.

Admission materials should be mailed directly to:

**Dickinson State University**  
**Office of Admissions**  
**291 Campus Drive**  
**Dickinson, ND 58601**

## **INTERNATIONAL STUDENT ADMISSION PROCEDURES**

Dickinson State University is authorized under federal law to accept international students. An international applicant seeking admission must:

1. Submit the completed application for admission. The application is available online at [www.dickinsonstate.edu/admissions](http://www.dickinsonstate.edu/admissions).
2. Pay the \$35 nonrefundable Application Fee. The fee can be paid at the time of application. An admission decision is not made until the fee is paid. SBHE Policy 805.3 mandates the undergraduate application fee of \$35.
3. To be considered for admission, all international undergraduate students are required to submit one official entrance exam from the list below:
  - a. (IBT) TOEFL score of 71 or higher (DSU accepts electronic versions of TOEFL directly from the company). Dickinson State University school code – 6477.
  - b. IELTS score of 6.0 or higher (Dickinson State University accepts electronic versions of IELTS directly from the company).
  - c. ACT Composite score of 18 and English sub test 18.
  - d. Minimum SAT Writing and Language score of 25 and the minimum SAT Total score of 950.
  - e. Other approved language proficiency examination as approved by the SBHE in accordance with policy 402.9 and NDUS procedure 402.9.
4. Submit a copy of the data page of the passport (may be submitted by scanning and uploading directly to your student application).
5. Submit official transcripts:
  - a. Transcripts provided from either a) high schools not located in the United States, or b) post-secondary transcripts for institutions not regionally accredited in the United States must be official and must be accompanied by certified English translations (if in a language other than English).
  - b. All documents submitted for purposes of admission must be certified/official. Uncertified/unofficial photocopies of required documents are not acceptable.
  - c. In most circumstances, an independent evaluation from a NACES approved agency is also required. NACES members are listed at [www.naces.org/members.htm](http://www.naces.org/members.htm).
  - d. Official transcripts from all post-secondary institutions of higher education.
6. Submit official notices from a bank indicating the student or student's sponsor has necessary funding for one (1) full year of tuition, fees, insurance, room, board and books. Notices must come in a sealed envelope directly from the bank to Dickinson State University. Any documents submitted in envelopes which have been opened or tampered with will be automatically declined. Bank draft letters are preferred.
7. Submit a complete Declaration of Finance form (may be submitted by scanning and uploading directly to your student application).
8. Prior to course enrollment, submit documentation of immunity. Immunity may be documented by showing evidence of (a) two doses of measles, mumps, and rubella vaccine no less than one month apart from a health licensed physician or authorized representative of a state or local health department; (b) proof of a positive serologic test for measles, mumps and rubella; or (c) proof of date of birth prior to 1957. Newly admitted students ages 21 and younger must provide documentation of immunity against meningococcal. Records must indicate that the immunization was received after turning 16 years of age.
9. Upon arrival student must provide proof of:
  - a. Freedom from Tuberculosis. TB testing is conducted on-campus by Health Services. Students showing positive reactions will be sent to a local clinic for additional testing.
10. Applicants who are transferring to Dickinson State University from another institution of higher education in the United States must, upon admission to Dickinson State University, request of their home institution to have their SEVIS record be transferred to Dickinson State University. This must be done before immigration documents can be issued.
11. All final documentation must be submitted by September 1 (Fall), January 10 (Spring), May 15 (Summer).

Admission materials should be mailed directly to:

**Dickinson State University  
Office of Admissions  
291 Campus Drive  
Dickinson, ND 58601**

## **ADMISSION PROCEDURES FOR OTHER STUDENT TYPES**

### **Collaborative Admission Process**

A student who wishes to enroll in a course at another NDUS institution as a collaborative student must contact the home institution for approval to register as a collaborative student. Only fully admitted undergraduate students in good academic and financial standing are allowed to enroll collaboratively. International students must receive approval from the home institution's Designated School Official (DSO). NDUS institutions are not required to allow students to enroll on multiple institutions as collaborative. NDUS Procedure 404 governs collaborative processes at Dickinson State University.

### **Continuing Admission Procedure**

A Continuing Student is one that has already earned a degree from Dickinson State University and wishes to pursue another degree with the institution without a break in enrollment. The admission application procedures for these instances requires the following:

1. Complete the Continuing Enrollment form for readmission. The Continuing Enrollment form is available online on the forms webpage.
2. Submission of official transcripts from all post-secondary institutions attended since leaving Dickinson State University.
3. Provision of documentation of immunity (if not already on file).

### **Re-Admission Procedure**

A Dickinson State University student who has not taken coursework for one semester or more will be required to complete the process for re-admission to the University. Applicants seeking readmission must:

1. Complete the Returning Student form available online on the forms webpage.
2. Submit official transcripts from all post-secondary institutions attended since leaving Dickinson State University.
3. Provide documentation of immunity (if not already on file).

### **Early Entry Admission Procedure**

High school students interested in taking courses offered through the Early Entry, formerly known as Dual Credit, program at Dickinson State University must complete the application for undergraduate admissions, submit a \$35 one-time application fee, and return a completed enrollment form to the Office of Admissions.

Additionally, another classification of Early Entry student is a student who is still enrolled in high school and wishes to simultaneously enroll in post-secondary courses that are offered on the University campus. Applicants must submit an application for admission and pay the \$35 non-refundable application fee. Applicants must be in good academic standing with their high school and receive approval from both their parent(s)/guardian(s) and the high school principal/guidance counselor. An Early Entry Form is available through the Office of Admissions. ND high school students can also access the application through PowerSchool.

### **Non-Degree Seeking Admission Procedure**

A Non-Degree seeking student who wishes to take courses at Dickinson State University without pursuing a degree-related program of study must submit:

1. The completed application for admission. The application is available online at [www.dickinsonstate.edu/admissions](http://www.dickinsonstate.edu/admissions).
2. Pay the \$35 nonrefundable Application Fee. The fee can be paid at the time of application. SBHE Policy 805.3 mandates the undergraduate application fee of \$35.
3. The non-degree supplemental questionnaire is available from the Office of Admissions or online.

# FINANCIAL ASSISTANCE

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## RIGHTS AND RESPONSIBILITIES OF APPLICANTS

Students seeking financial assistance are encouraged to apply for federal financial aid. If a student needs assistance applying for federal financial aid, she or he should stop in the Financial Aid office located in May Hall, room 111, or call (701) 483-2371 or toll free 1-800-279-HAWK (4295).

**DISCLAIMER:** Any part of the following financial aid information is subject to change without notice.

## WHO MAY APPLY

Students applying for federal financial aid must meet the following criteria:

- Demonstrate financial need (as determined by the federal financial aid analysis process), except for some loan programs;
- Have a high school diploma, or a recognized equivalent such as a General Education Development (GED) certificate, or a high school education in a homeschool setting approved under State law;
- Be a United States citizen or an eligible non-citizen;
- Be enrolled as a regular student working toward a degree or certificate in an eligible program;
- Have a valid Social Security number;
- Maintain Satisfactory Academic Progress;
- Register with the Selective Service (if student identifies as a male student between the ages of 18 and 25);
- Not be in default or owe a repayment on a Student Financial Assistance grant or loan; and
- Not have been convicted under Federal or State law of possession or sale of illegal drugs while receiving federal aid.

## HOW TO APPLY

Students must complete and submit an application called the Free Application for Federal Student Aid (FAFSA). The FAFSA may be completed online at [fafsa.ed.gov](http://fafsa.ed.gov).

Students and one parent (if providing parent information) should obtain a Federal Student Aid ID (FSA ID). The FSA ID allows students (and parents) to sign the FAFSA electronically, to access, or to correct the processed FAFSA information. Apply for a FSA ID at [fafsa.ed.gov](http://fafsa.ed.gov).

When completing the application, students must indicate Dickinson State University as a college they plan to attend. The code for Dickinson State University is **002989**.

By completing the FAFSA application, students will automatically be considered for federal, state, and campus-based financial aid programs.

## WHEN TO APPLY

The FAFSA application must be completed each year a student seeks federal financial aid. To ensure full access to all available financial aid programs, students should submit the FAFSA as soon as possible after October 1, for the following school year. Priority consideration for the North Dakota State Grant is given to those who have their FAFSA submitted as soon as possible and pending the availability of funds. Priority consideration for campus-based aid (Federal Work Study and Federal Supplemental Education Opportunity Grant) is given to those who have their FAFSA submitted by April 15 and pending the availability of funds.

Late applications for financial aid will be accepted; however, funding may be limited to programs such as Federal Pell Grant, Federal Direct (Subsidized and Unsubsidized) Loans, and/or Federal Parent Direct PLUS Loans.

Students applying for summer aid must complete a Summer Financial Aid application. The Summer Financial Aid application becomes available as soon as the summer session schedule for a given year is released. Students must be enrolled in at least one credit for a Pell Grant if applicable or six or more credit hours to be eligible for other federal financial aid such as loans or work study. **Alternative (private) loans may be available for students enrolled in less than six credits.**

## HOW FINANCIAL AID IS DETERMINED

After completion of the FAFSA, students will receive a Student Aid Report (SAR) and the school whose code is listed will receive an Institutional Student Information Record (ISIR). The SAR/ISIR contains an Expected Family Contribution (EFC) number, which is needed to determine financial aid eligibility. Financial Aid uses the cost of education (tuition, fees, room, board, books, and other related expenses) minus the EFC number and other resources to determine the student's financial need. The cost of attendance may be adjusted by submitting a Special Circumstance Form or by submitting a Child Care Request form. Both forms are available in the Financial Aid office or on the forms page of the website.

## HOW FINANCIAL AID IS DISBURSED

Students must meet admissions, attendance and satisfactory academic progress requirements prior to receiving financial aid. All loans, grants, scholarships, and work study awards are subject to change, depending on enrollment status, other resources, participation criteria and availability of funds. If attending the academic year, grants, scholarships and loans will be disbursed in two allotments during the period of time for which the student is enrolled. Aid is disbursed each semester during the fee payment date and thereafter. Fee payment date information can be obtained at the Financial Aid office or from Business Affairs. The students' accounts will be credited and any excess aid will be disbursed by Business Affairs.

The Department of Education or Dickinson State University may require students, through a process called verification, to document the information provided on their financial aid application. If the applicant does not provide the requested documentation, federal aid funds will not be disbursed.

Students are required to repay any financial aid received as a result of inaccurate information. Any person who intentionally misrepresents facts on the application violates federal law and may be subject to a \$20,000 fine and/or imprisonment.

## NOTIFICATION OF FINANCIAL AID

Students will be notified of their financial aid by an Award Notice either electronically or by mail. Students must electronically accept/decline their award(s) on Campus Connection: Student Center > Financial Aid > Accept/Decline Awards, before disbursement will be made.

Students must notify Financial Aid of changes in enrollment status or of additional resources received. Students enrolled in 6, 7, or 8 credits are considered half-time. Students enrolled in 9, 10, or 11 credits are considered  $\frac{3}{4}$  time. Students enrolled in 12 or more credits are considered full-time.

## TYPES OF FINANCIAL ASSISTANCE

Dickinson State University provides the following types of financial aid: grants, loans, student employment, department scholarships/awards, and waivers (institutional aid). Additionally, the Heritage Foundation provides scholarships and awards.

### Grants

Grants are gifts of money that do not have to be repaid.

**Federal Pell Grant** may be awarded to undergraduate students pursuing their first bachelor's degree for up to 12 semesters (or its equivalent of 600%). The amount of the grant is based on the EFC number, the student's need, estimated cost of attendance, the student's enrollment status, and the money appropriated by the Federal Government.

**Federal Supplemental Educational Opportunity Grant (SEOG)** may be awarded to undergraduate students who are eligible for a Federal Pell Grant. SEOG is a campus-based program and may be awarded according to availability of funds.

**Teacher Education Assistance for College and Higher Education (TEACH) Grant** may be awarded to students who maintain a 3.25 GPA or qualifying score on admissions test, agree to teach full-time at least 4 years at a designated school with a high percentage of low-income students within 8 years of graduation, and agree to teach in a specific high-need subject. The grant provides up to \$4,000 per year less the sequestration reduction (not to exceed \$16,000 for undergraduates); however, if the student does not fulfill the teaching requirement, the grant funds become a Direct Unsubsidized Loan, which must be repaid.

**Iraq and Afghanistan Service Grant (IASG)** may be awarded to a student whose parent or guardian died as a result of U.S. military service in Iraq or Afghanistan after September 11, 2001. Applicants with a Pell-eligible EFC will be awarded up to a maximum Pell Grant less the sequestration reduction and all Title IV aid will be based on an EFC of zero; applicants who are not Pell-eligible will receive an IASG award equal to a maximum Pell Grant for the award year. All other Title IV aid must be based on the student's calculated EFC.

**North Dakota State Student Incentive Grant Program (SSIG or State Grant)** may be awarded by the North Dakota University System to undergraduate students who meet Title IV eligibility criteria, meet state high school eligibility, are residents of North Dakota, and have not previously received a State Grant for more than eight FTE semesters. The grants are need-based and are dependent upon the availability of funds and pro-rated (based on enrollment status). Therefore, awards may be reduced to accord with need. Students apply by submitting the FAFSA. For more information, visit [www.ndus.edu](http://www.ndus.edu).

## Loans

Loans are financial aid monies that must be repaid.

Direct (subsidized and unsubsidized) and Direct Parent Loan for Undergraduate Students (PLUS) are available at Dickinson State University. The interest rates are expected to be set on July 1.

[NOTE: Due to sequestration, the origination fees for Direct Loans may change.]

Prior to the release of the first Federal Direct Loan disbursement, students must accept the loan in Campus Connection, complete Entrance Loan Counseling and a Master Promissory Note (MPN) at [www.studentloans.gov](http://www.studentloans.gov). Forbearance, Deferment and Cancellation of Loan information can be found on the Master Promissory Note.

Loan funds that are received electronically are credited directly to the student's account. Loan funds that arrive in the form of a check must be endorsed by the student and then will be credited to the student's account. Any funds in excess of the amount owed the University at the time of disbursement are considered "excess aid" and may be disbursed to the student in the form of a check or direct deposit transaction. Disbursement could be delayed if a student has not completed a MPN and Entrance Loan Counseling, are not enrolled at least half-time, or have a "hold" on their account.

**Direct Subsidized Loan** may be awarded to students who are enrolled at least half-time and have need. If eligible, a freshman may borrow up to \$3,500, a sophomore (or a student in a two-year program) may borrow up to \$4,500, and a junior or senior may borrow up to \$5,500. The maximum amount that can be borrowed is \$23,000. Repayment begins six months after graduation or if the student ceases to be enrolled at least half-time.

If applicable, a new borrower is eligible to receive Direct Subsidized Loans up to 150 percent of the time it takes to complete the educational program. For example, a student enrolled in a two-year program will have three years' worth of subsidized loan eligibility and a student in a four-year program will have six years' worth of subsidized loan eligibility. The borrower becomes responsible for the accruing interest during all periods as of the date the borrower exceeds the 150 percent limit.

**Direct Unsubsidized Loan** is a non-need based program for those ineligible for (any or all of) the Direct Subsidized Loan. The student is responsible for the interest payment while enrolled. The additional annual loan limit for dependent undergraduate students is \$2,000. The additional annual loan limit for independent undergraduate students (or students whose parents are unable to obtain Direct Parent Loans for Undergraduate Students) is \$6,000 a year for the first and second years of study and \$7,000 for the third and fourth years of study. Repayment begins six months after graduation or if the student ceases to be enrolled at least half-time.

The aggregate loan amount for dependent students is \$31,000; the aggregate loan for independent students is \$57,500.

NOTE: Exit Loan Counseling is required at the time a student graduates, drops below half-time status or terminates enrollment at Dickinson State University.

**Direct Parent Loan for Undergraduate Students (PLUS)** enable parents to borrow money to help pay for their children's education. Parents may borrow on behalf of a dependent student. The maximum loan amount that a parent may borrow for each dependent student is the difference between the cost of attendance and any other financial assistance. The PLUS loan requires a separate application. If the period of enrollment is more than one semester, there will be multiple disbursements. Generally, the loan enters repayment within 60 days of the final disbursement. To apply, go to [www.studentloans.gov](http://www.studentloans.gov), complete the PLUS Request Process and a Master Promissory Note.

NOTE: Students may be granted loan forgiveness if they meet certain criteria. Examples include the Public Service Loan Forgiveness program (for borrowers who make 120 payments on a qualified loan while employed full-time in a public service job) or the Teacher Loan Forgiveness Program. To find out more about the eligibility requirements for teacher loan forgiveness and about deferment provisions, visit the Cancellation/Deferment Option for Teachers at [www.studentaid.ed.gov/sa](http://www.studentaid.ed.gov/sa) > How to Repay Your Loans > Forgiveness, Cancellation, and Discharge. For information about the Teacher Shortage Loan Forgiveness Program or the Technology Occupations Student Loan Forgiveness Program in the state of North Dakota, visit [www.ndus.edu](http://www.ndus.edu) > Students > Paying for College.

**Nursing Student Loan (NSL)** may be awarded according to availability of revolving funds. It is a 5% interest loan with a \$3,300 per year limit for the first two years and a \$5,200 per year limit for subsequent years (maximum \$17,000).

If eligible for this loan at Dickinson State University, the minimum amount is \$400. NSL regulations require verification of student information. Students need to complete a Nursing Student Loan Master Promissory and Entrance Loan Counseling. Repayment (through Student Loan Service Center, Dept. 3180, PO Box 6050, Fargo ND 58108-6050) begins nine months after the borrower ceases to be enrolled at least half-time in a nursing program.

**Nursing Education Loan** is awarded by the North Dakota Board of Nursing. Applicants must be accepted or enrolled in a nursing program approved by the North Dakota Board of Nursing. The loan amounts are up to \$2,000 for the Associate in Science in Practical Nursing program and up to \$3,000 for baccalaureate completion programs. Repayment is by nursing employment in North Dakota after graduation and/or by monetary repayments. The application is available at [www.ndbon.org](http://www.ndbon.org)>Education; the deadline is July 1.

## Student Employment

Student employment provides an opportunity to earn money to help pay educational costs. Students are paid an hourly wage, and time sheets are submitted twice a month. Student Employment earnings are directly deposited on the 15th and last day of each month.

Student employment on campus can either be in positions funded through Federal Work Study (FWS) dollars or in positions funded through institutional dollars (IWS). If a student is eligible for Federal Work Study, the assistance is included in the Financial Aid Award Notice. Eligible students must apply for a position at [dickinsonstate.edu](http://dickinsonstate.edu)>About DSU>Employment>Open Positions. Federal Work Study is a campus-based program and may be awarded according to availability of funds. Community service jobs, such as reading tutors, are available for students. A FWS award indicates that the student is eligible to seek FWS employment; however, it is not guarantee of a job. Students who are not awarded FWS may apply for institutionally funded positions if available. Contact the Human Resources office for more information.

## Department Scholarships/Awards

Scholarships/awards are gifts recognizing students on the basis of academic achievement, special skills, or other criteria.

**Waivers or Institutional Aid:** Dickinson State University has developed a well-rounded program of institutional aid to assist students in their quest for a college education. Each student is given personal consideration, and an attempt is made to fit the financial aid package to the student's need. Dickinson State University's Institutional Aid Policy is posted on the website. This policy addresses the parameters that govern: Blue Hawk Talon Tuition Waivers, Cultural Diversity Tuition Waivers, Fine Arts Tuition Waivers, Spouse or Dependent Tuition Waivers, DSU Rodeo Awards, Institutional Waivers, Senior Citizen Waivers, Housing Waivers, and Presidential Scholarship Awards.

### Heritage Foundation Scholarships/Awards

These scholarships/awards are supported by gifts from friends and alumni of the University. Students complete a scholarship application online during the designated time frame. Foundation scholarships and awards will be disbursed in two allotments for the fall and spring semesters. Contact the Dickinson State University Heritage Foundation for current listings. An external (outside the University) list of scholarships is available on the Financial Aid webpage.

### OTHER SOURCES OF FUNDING

**Native American Assistance** application forms are available from a Tribal Agency or from the Financial Aid office.

**Rehabilitation Consulting & Services** assists students with physical limitations or health problems. Students who wish to apply must contact their local Division of Vocational Rehabilitation Office at Bismarck, Dickinson, Jamestown, Fargo, Minot, Grand Forks, Devils Lake, or Williston.

**North Dakota Job Service** may have funds available through the Workforce Investment Act (WIA) for economically disadvantaged students in need of vocational training or retraining. Contact the nearest Job Service office.

#### Veterans, National Guard, and Veteran Tuition Waiver

Recipients need to contact the nearest Veterans Service Office or the Dickinson State University Veteran's Certifying Official in Academic Records. Any dependent (child, spouse, widow, or widower) of a resident veteran killed in action, totally disabled, deceased from service-connected causes, or declared missing in action, may also be granted a waiver of tuition.

[NOTE: The Veterans Administration provides programs of financial assistance for the education and training of eligible veterans having completed military service. These programs are designed to encourage self-improvement and offer financial help to such veterans in raising their education level. The Veterans Administration and the State of North Dakota also provide financial aid for the education of sons, daughters, spouses and surviving spouses of veterans who died or were permanently and totally disabled as a result of a service-connected disability arising out of active duty in the Armed Forces, or who died from any cause while disability was in existence. In processing an application for training, the Veterans Administration will determine the applicant's eligibility for benefits. Evidence of eligibility will be provided to the applicant in the form of a Certificate of Eligibility and/or an Award Notification. For more information, contact your nearest Veterans Service office or Academic Records, Dickinson State University, Dickinson, ND 58601. In order to remain eligible to receive Veteran's Administration Benefits, students must maintain satisfactory progress as set forth by University policy.]

### OTHER IMPORTANT INFORMATION

#### 1098-T

Annually at the end of January, 1098-T information for the calendar year can be found online at: [www.dickinsonstate.edu](http://www.dickinsonstate.edu) > Campus Connection > Student Center. If the total scholarships and grants exceed the total tuition and related expenses, the student may have taxable income. However, if the total tuition and related expenses exceed the total scholarships and grants, the person who claims the student as an exemption may receive an education tax credit on the Federal Income Tax return.

#### Consortium Agreements

Consortium agreements which can exist between eligible institutions, apply to all the financial aid programs. Under a written agreement, students may take courses at an institution other than the "home institution" and have those courses count toward the degree or certificate at the home institution. Contact Financial Aid for more information.

#### National Guard and Military Call-up for Active Duty

1. Students who are in a State National Guard unit called up for active duty, or who are called back to active military duty, must present to the University a copy of their official order, or a statement from their commanding officer attesting to their active duty status. This document should be submitted to the VA Certifying Official in the Academic Records Office.
2. Students called up to active military duty must submit a Cancellation/Withdrawal form located at [dickinsonstate.edu/forms](http://dickinsonstate.edu/forms).
3. Faculty will be notified of any student withdrawn from their course in this manner and for this reason.
4. Students who withdraw from the University because of active military duty call-up will be given first priority for course registration when they return to Dickinson State University to continue their college career.
5. Students will receive a full refund of all University tuition and fees paid relative to the courses from which they were withdrawn as a result of their active duty notification.
  - a. Students who are recipients of Title IV aid will have their funds returned as required by federal statute and regulations.
  - b. Refunds pertaining to room and board will be prorated.
  - c. The University Store manager will provide exemptions to the book return policy for students called into active military duty.



## Purchasing Books

The Dickinson State University Store allows students who have been awarded financial aid with no outstanding charges to purchase books and supplies and charge them to their Dickinson State University account. Students are not required to purchase their books and supplies at the University Store. If students choose to opt out of this option they must have another method of payment or wait until financial aid is disbursed and excess funds are available. Students who choose to opt out may purchase course materials from sources other than the University Store.

## Remedial Classes

Remedial classes count toward financial aid up to 30 credits hours. If the student is admitted into an eligible program and takes remedial coursework within that program, those credits do count toward enrollment status.

## Repeated Courses

If a student has failed a course, the course can be repeated indefinitely and still be counted in the enrollment status for financial aid purposes. Once a student has passed a course, it can only be repeated ONE time and be counted in enrollment status for financial aid purposes. Subsequent repeats are counted as hours attempted; however, they are not eligible to be included in enrollment status for financial aid purposes.

## College Financing Plan

The College Financing Plan is a consumer tool that provides a national standard for financial aid award notices and makes it easier for students to compare awards from different institutions. The shopping sheet provides students with key information including:

- How much one year of school will cost;
- Financial aid options with a clear differentiation between grants and scholarships, which do not have to be repaid, and loans, which do;
- The net costs after grants and scholarships are taken into account;
- Vital information about student results, including comparative information about default rates, graduation rates, and median debt levels for the school;
- And potential monthly payments for the federal student loans the typical student would owe after graduation.

Students will find their Financing Plan online in their Campus Connection portal. Access at: Campus Connection > Student Center > Finances > View Financial Aid.

## Study Abroad Programs

Students enrolled or accepted for enrollment in a study abroad program approved for credit by Dickinson State University are eligible to receive Title IV assistance. A Study Abroad Financial Aid Contract is available in the Financial Aid office or on the forms page of the website.

## Withdrawal/Leave of Absence from Institution

A student who finds it necessary to withdraw or take a leave of absence from the University must submit a Cancellation/Withdrawal form located at [dickinsonstate.edu/forms](http://dickinsonstate.edu/forms). Students who withdraw from the University may not be completing 66 2/3% of the cumulative credit hours attempted; therefore, students may be disqualified from federal financial aid and would need an approved appeal to have the aid reinstated.

## Refund/Return of Title IV Funds

Federal regulations require all institutions to develop a policy which determines the amount of Title IV grant or loan assistance that a student has earned as of the student's withdrawal date. A refund of institutional charges or the percentage of Title IV aid earned for a student, who withdraws from Dickinson State University is calculated through the 60% point in an enrollment period. Unearned funds must be returned in the order specified by law. A detailed refund schedule is available from Business Affairs.

For the full Refund/Return of Title IV Funds Policy, please visit [dickinsonstate.edu/financialaid](http://dickinsonstate.edu/financialaid).

## Satisfactory Academic Progress Policy

To be eligible for Federal Student Aid, the U.S. Department of Education requires all Dickinson State University degree (or eligible certificate) seeking students to maintain satisfactory academic progress (SAP). SAP requirements apply to all terms, including summer, and to (both aid and non-aid recipient) students, regardless of enrollment status. SAP requirements are determined based on the **grade point average** (GPA) that a student must achieve at each evaluation and **pace** of progression (to ensure completion within the 66 2/3% maximum time frame). [NOTE: Incompletes, withdrawals, repetitions, and transfer hours accepted toward completion of a student's program count as hours attempted.]

### GPA

**GPA:** In order to meet the minimum requirements of Satisfactory Academic Progress with respect to GPA, a student will need to have an academic standing consistent with the requirement for graduation from their program at the end of the first, second, and third semesters. Students who do not have 2.0 GPA at the end of the first or second term will receive an information letter; students who do not have a 2.0 GPA at the end of the third term will be placed on **Financial Aid Warning**. Students may continue to receive aid for one payment period; no appeal is necessary.

**At the end of the fourth semester of attendance, a student must have a 2.0 or better GPA regardless of enrollment status or program.** The student's cumulative GPA (including transfer credits) will be used to determine eligibility. Students who do not have a 2.0 GPA will be placed on **\*Financial Aid Disqualification**.

**Graduate GPA:** Graduate students are required to maintain a minimum cumulative GPA of 3.0 at the end of each semester.

## PACE

In order to meet the minimum requirements of Satisfactory Academic Progress with respect to credits attempted, students must complete 66 2/3% of the credits they attempt. This percentage will be calculated for cumulative credits (including transfer credits). For example: The maximum time frame for an associate degree program is (64 credit hours x 150%) 96 credits; 64/96 is the pace of 66 2/3%. The maximum time frame for a bachelor degree program is (128 credit hours x 150%) 192 credits; 128/192 is the pace of 66 2/3%. The maximum time frame for two four-year/double degree (not double major) program is (160 credit hours x 150%) 240 credits or as per catalog. The maximum time frame for a graduate program is (34 credit hours x 150% = 51 credits); 34/51 is the pace of 66 2/3%

**Students need to complete 66 2/3% of the cumulative credits attempted, regardless of enrollment status or program.**

Students who are approaching the maximum timeframe will receive an information letter. Students who do not complete 66 2/3% credits attempted will be placed on **\*Financial Aid Disqualification**.

### *Unofficial Withdrawals (all F's or I's)*

Students who receive all failing grades or Incompletes in a given term will be automatically placed on **\*Financial Aid Disqualification**.

### *Appeal Process*

Students who have been placed on Financial Aid Disqualification due to an extenuating circumstance (i.e., a medical condition, military service, etc.) may appeal by requesting a Satisfactory Academic Progress Appeal Form. The form is available by contacting Financial Aid or on the forms page of the website. Appeals are evaluated on an individual basis. If it is determined that the student will be able to meet GPA and/or PACE standards by the end of the next payment period, the student will be placed on **Financial Aid Probation**, and the student **may receive aid for one payment period**. A student who changed majors may reach maximum time frame; the student may appeal with a Plan of Study. If an appeal is denied, the student may apply for a private loan; eligibility will be reinstated after requirements are met.

## *Financial Aid Disqualification*

**\*Financial Aid Disqualification** means no longer eligible for all federal aid and most other types of aid. (This is not the same as *academic suspension*.) Federal Student Aid includes Pell Grant, Supplemental Opportunity Grant (SEOG), TEACH Grant, Work Study, Direct Loans, and Direct Parent (PLUS) Loan. Nursing Student Loan, most institutional aid, and other agencies, such as Vocational Rehabilitation, the ND State Grant, and several private/alternative loans also require students to maintain SAP.

Students placed on warning, disqualification, or probation may be notified by email or in writing; the information is also available for students to view on Campus Connection > Holds and/or To Do List.

Collaborative, consortium, Study Abroad, and remedial credits are evaluated independently; therefore, the initial results are subject to change.

For the full Satisfactory Academic Progress Policy, please visit [dickinsonstate.edu/financial-aid](http://dickinsonstate.edu/financial-aid).

Any part of this policy may be changed or revoked without notice.

# STUDENT SERVICES

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Student Services provides resources and support to assist students in pursuing their academic goals at Dickinson State University. In collaboration with the mission of the University, the philosophical foundation of Student Services is one of student-centered leadership. Staff seek to create a community of care, fostered through collaborative and personal relationships. The staff within Student Services invites students to engage with the holistic DSU experience, in and out of the classroom. The staff are here to assist students every step of the way.

Numerous functional units comprise Student Services including: First Year Experience, International Programs, Student Life (including residence life), the Student Opportunity and Resource (SOAR) Center, and Student Health and Wellness.

The services and resources provided by these functional entities are informed by the following core values:

**Student-Centered Services:** Dickinson State University is committed to fostering student success. The University provides many programs and resources to help ensure student success as assessed through defined university learning outcomes and resulting in the earning of a college degree. These services are provided with a focus on students, and designed to help students learn and grow as part of the Blue Hawk family. Students are paramount to the campus community!

**Collaborative Partnerships:** Student Services maintains partnerships on and off campus specifically focused on students.

**Creating a Community of Care:** Student Services is committed to the physical, cognitive, and emotional well-being of Dickinson State University students. We make a conscious effort to offer opportunities to learn about and implement positive behaviors for the purpose of improving and/or maintaining health and well-being. This effort involves collaborative efforts between Student Health Services, Campus Wellness, and student-focused programming in and out of the residential halls. Student Privacy Rights, Drug and Substance Abuse Policy, Tobacco Free Policy, and the Significant Infectious Diseases Policy information are accessible through the Student Handbook online. Of particular importance is the information pertaining to Campus Violence, Sexual Harassment and Dickinson State University's Harassment Complaint Policy and Procedure information.

**Enhancing Student Learning:** Student services supports the Mission of the University by providing resources to promote personal and professional development, leadership, and life-long learning in a safe environment that encourages collaboration, campus and civic engagement and diversity. While numerous functional units enhance student learning, students may seek specific information to the First Year Experience, Student Opportunity and Resource (SOAR) Center services and supports, which are described in the Student Handbook.

**Fostering an Accessible & Inclusive Community:** DSU is committed to creating a welcoming environment for all students. Whether through financial support, student development efforts, and/or student clubs and organizations, there is a place for every student at DSU. DSU provides a multitude of events and activities allowing students to better know and understand each other through association and activities outside the classroom. The campus community engages in learning and growth opportunities. As such, students have the right and responsibility to engage in dialogue respectfully, honoring differing perspectives.

**Student Code of Conduct:** As part of the DSU community, students should be familiar with the Student Code of Conduct, found online. The Student Code of Conduct establishes the standards and disciplinary procedures, which govern student conduct at Dickinson State University. All students and Student Organizations are expected to become familiar with this Code and to assure its successful implementation by observation and support of its objectives.

**Student Handbook:** Students should be familiar with the policies, rights, and responsibilities as outlined in the DSU Student Handbook, which can also be found online. The Student Handbook contains information such as motor vehicle use and parking, library usage, and policies relevant to students such as: Email Policy, Computer Use Policy, Live-On Campus Requirements Policy and Electronic Device Policy

## STUDENT OPPORTUNITY AND RESOURCE CENTER

The Student Opportunity and Resource (SOAR) Center provides a variety of learning services to support students, faculty and staff in academic excellence at Dickinson State University. From Disability Support Services to Peer Tutoring and Career Services, the SOAR Center works collaboratively to enhance the mission of Dickinson State University through high-quality, accessible programs, promoting excellence in learning and supporting scholarly activities. The Student Opportunity and Resource Center is located in May Hall, 2nd floor, and it is open M-F 8:00 a.m. to 5:00 p.m. Staff members can be contacted at 701-483-2029.

## Academic Advising

Academic Advising through the SOAR Center provides support for first and second year students, undeclared students, online students, and transfer students. Advising focuses on addressing current academic need, transitioning to discipline specific advisor and serving as a point-of-contact for support services.

## **Career Services**

Career Services at DSU coordinates student access to major exploration, career exploration, graduate school exploration, on-campus employment, off-campus employment, internships, career fairs, and professional development. The Office of Career Services also offers personalized help with resume and cover letter creation, interview preparation, and building of networking skills. Career Services offers one-on-one assistance to help students plan for and achieve career success.

## **Disability Support Services**

Disability Support Services coordinates the application and accommodation process for students with disabilities; counsels students with disabilities to determine program services over the course of each academic year; coordinates notification of accommodations for faculty, instructors, and other appropriate professionals; and coordinates proctored test sessions along with disseminating information about accommodations and building inclusive, accessible learning environments. Students typically need to have documentation of how their disability impacts a major life activity, such as learning, from a qualified professional (e.g. medical professional) to determine accommodations.

## **First Year Experience (FYE)**

The Dickinson State University First Year Experience (FYE) Committee works to improve the overall student experience and ensure alignment between Dickinson State University's New Student Registration, Freshman Seminar course and best practice literature. The committee is comprised of the faculty/staff currently teaching Freshman Seminar courses. First Year Experience was developed to provide incoming students the academic, personal and social skills to successfully complete their first year of college and transition into becoming a successful upperclassman.

## **Tutoring Center**

The Tutoring Center at Dickinson State University provides high-quality, accessible programs that strive to promote excellence in learning and academic performance. Its peer-to-peer tutoring services foster academic growth and development in a student-centered approach that promotes student success and retention in a safe and welcoming environment.

## **Services to Faculty**

The Student Opportunity and Resource Center provides positive and comprehensive academic support services for faculty through student referrals concerning peer tutoring; in-class workshops on note-taking, testing strategies, study skills and anti-plagiarism.

# BUSINESS AFFAIRS

## TUITION AND FEES

Tuition and fees are due approximately the 10th day of class each semester. Informational materials publish the specific days at the beginning of each semester. Dickinson State University does not send out paper bills; instead, students may access their account through their Campus Connection. Payments can be made on Campus Connection through the Financial Account tile and selecting Pay Online Now. Outstanding balances not paid on the designated days will be assessed a late fee of 1.75% per month. Visa, American Express, MasterCard, Discover, cash, and checks are all accepted as forms of payment. North Dakota University System policy prohibits granting credit of any kind. **All fees and method of assessing tuition are subject to change without notice.**

### Tuition - Undergraduate (Per Credit Hour)

Undergraduate Resident Tuition (ND, AK, AZ, CA, CO, HI, ID, KS, MN, MT, NE, NM, NV, OK, OR, SD, TX, UT, WA, WY, Manitoba and Saskatchewan) \$249.00

Undergraduate Non-Resident (All other states and international) \$319.00

\*\*This includes online, distance education, directed study and internship courses.

### Other Mandatory Fees (Per Credit Hour)

(Fees are only charged on the first 12 credit hours)

Student Fee	\$40.03
Technology Fee	\$23.11
Connect ND Fee	\$5.50
NDSA Fee	\$0.04

\*\* Dickinson State University caps the billing of fees at 12 credit hours per semester. Part-time students taking 11 or fewer hours are billed on a per-credit hour basis.

### Tuition - Graduate (Per Credit Hour)

All Residencies \$336.67

### Special Course and Program Fees

Several courses may have class/course fees or a program fee. Check the registration materials for special class/course fees.

## Miscellaneous Fees

Application Fee (non-refundable)	\$35.00
Audit Fee, 50% of regular tuition, per semester hour (non-refundable) Resident	\$124.50
Course Challenge Fee, 50% of regular tuition, per semester hour (non-refundable) Resident	\$124.50
Parking Fee, per academic year	\$40.00
Recording Fee, per semester hour	\$124.50
Fall Semester International Health Insurance	\$748.00
Spring semester International Health Insurance	\$1,232.00
Returned Check Fee	\$35.00
New Student Fee	\$100.00
New Student - International Fee	\$175.00

**The student accepts responsibility for payment of tuition and fees when he/she enrolls in classes at Dickinson State University. All costs incurred in the collection of financial obligations to the University will be the responsibility of the student.**

## REFUNDS FOR TUITION AND FEES

Students who register at Dickinson State University and decide to withdraw must contact the Office of Student Affairs to complete the withdrawal form.

For students who choose to withdraw from the University after registration of the fall or spring semester, refunds will be issued based upon the number of instructional weeks attended. The complete North Dakota State Board of Higher Education Policy 830.2 may be viewed at North Dakota University System's website under Policies and Procedures.

% Semester Completed	Refund
0 - 8.99%	100%
9% - 34.99%	75%
35% - 59.99%	50%
More than 59.99%	0%

Students who choose to drop a course or courses but remain enrolled, will receive refunds based on the following percentages:

<b>% Semester Completed</b>	<b>Refund</b>
0 - 8.99%	100%
More than 8.99%	0%

\*\*There will be no refund of fees in you remain enrolled in 12 or more credit hours.

## **STUDENTS WITH OUTSTANDING BALANCES**

A student who has an outstanding balance will not be permitted to enroll in classes at the University and will not be entitled to receive an official transcript until the indebtedness has been paid in full.

## **MOTOR VEHICLE AND PARKING REGULATIONS**

### **Registration of Vehicles**

Every student and employee must have a parking permit to park on campus. There are two types of permits, Staff and Student. An individual must register her/his vehicle at Public Safety, located in the Student Center.

Student parking permits may be purchased at the Office of Public Safety. A parking fee of \$40 is paid at the beginning of the fall semester. Temporary parking permits may be obtained for a vehicle that is to be parked on campus for only a few days. Parking permits must be displayed on the rear-view mirror.

## **General Regulations**

Parking areas:

1. Employee Parking: To be used by Dickinson State University employees only (does not include student employees).
  2. Visitor Parking: Not to be used by either students or employees.
  3. Open Parking: Areas not designated as visitor or employee parking.
  4. Handicapped Parking (marked with blue curbside paint and/or cross-marks indicated by wheelchair access sign): To be used only by vehicles displaying handicapped parking permit and current Dickinson State University permit.
  5. Vehicles may be towed at owner's expense for purposes of snow removal if parked in an area not designed for overnight parking.
  6. No parking on Campus Drive from 2:00 - 6:00 a.m. for snow removal.
- Drivers of vehicles shall yield the right of way to pedestrians.

## **Penalties and Enforcement**

Fines for violations of parking regulations on campus are \$20. Fines for parking in designated handicapped parking areas are \$100.

Appeals on parking violations must be brought to Public Safety within three school days of their receipt.

Unpaid violations will result in the University placing a hold on transcripts until fines are paid. Any vehicles with unpaid violations may result in the towing away of the vehicle from the campus at the owner's expense.

Vehicles in No Parking Zones are subject to towing without notice. The individual assumes all costs of towing.

# ACADEMIC AFFAIRS

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## ACADEMIC AFFAIRS MISSION STATEMENT

Academic Affairs serves as the heart of the academic enterprise. Our Mission is to provide access to high-quality academic programs, to support scholarly and creative activities, and to facilitate, foster and promote inquiry, innovation, academic excellence and achievement.

## UNIVERSITY LEARNING OUTCOMES AND ASSESSMENT PROGRAM

### Participation in University Assessment Program

Dickinson State University has an on-going program of assessing university-wide learning outcomes for students who graduate from the institution with either an associate or baccalaureate degree. A graduate of Dickinson State University will be able to:

- I. Demonstrate knowledge of human cultures, the humanities, the social sciences, the fine and performing arts, and the physical and natural worlds.
- III. Demonstrate the intellectual skills of inquiry, mathematical reasoning, quantitative and qualitative analysis, critical and creative thinking, and problem solving.
- II. Demonstrate written, oral, and visual communication skills, information literacy, and technological skills.
- IV. Demonstrate knowledge of personal and community health and wellness.
- V. Demonstrate responsible ethical reasoning and social and intercultural engagement.
- VI. Demonstrate advanced accomplishment in discipline-specific performance.
- VII. Demonstrate integrative learning across the curriculum.

These learning outcomes are institutional in nature and are incorporated within specific outcomes for each major program. Major programs, courses, and university programs are all geared to implement and develop the above learning outcomes during the academic careers of Dickinson State University students in order to provide students with the quality education needed for future employment and function as a productive member of society. All faculty and students are active participants in producing and inculcating these learning outcomes. Therefore, participation in assessment activities is mandatory for all students as part of the University experience. Each program must have a method(s) for assessing seniors on the program's outcomes.

**NOTE:** Degrees will not be posted on the transcript until assessment requirements are met at an acceptable level as determined by the University.

## WRITING ACROSS THE CURRICULUM (WAC) AND WRITING IN THE DISCIPLINES (WID)

### Participation in Writing Across the Curriculum (WAC) and Writing in the Disciplines (WID)

The Dickinson State University Writing Across the Curriculum Program endorses the following goals:

1. To integrate Writing Across the Curriculum and Writing in the Disciplines, emphasizing their relationship and differences.
2. To implement, develop, and document effective writing practices within the Dickinson State University curriculum.
3. To improve student learning to write for a variety of audiences and purposes necessary for college students and graduates, enhancing their future employability.
4. To teach students to write specifically as professionals in their academic disciplines.

Dickinson State University students seeking an associate or baccalaureate degree participate in the university's WAC program. All courses the university designates as writing courses are part of the WAC program. In addition, university departments and degree programs designate certain courses and practices as WID requirements necessary for students to develop written communication skills appropriate for their disciplines. All WID courses and requirements are part of the WAC program.

WAC trains students in writing necessary for multiple audiences and situations throughout their college curriculum and after graduation. Students begin their WAC experience in the General Education program by completing College Composition I and II no later than the sophomore year. Successful completion of these two composition courses is a prerequisite for enrollment in 200, 300 or 400 level writing courses. College Composition I and II are writing intensive courses providing students with practical experience writing in multiple genres. Students progress to other WAC courses subject to the requirements of their major and minor programs of study or their free elective choices.

Concurrent with or upon completion of their required General Education writing courses, students continue their WAC experience by taking required WID courses. WID courses consist of those courses departments and programs consider essential courses for introducing students to writing within their disciplines. Departments and programs also identify certain courses or required writing practices they designate as writing intensive.

Required writing practices may consist of any degree or program requirement in addition to or supplemental of credit bearing coursework that engages students in writing intensive practices; these practices may consist of such activities as portfolios, capstone projects, or any other assessable practice departments and programs consider necessary and are able to document.

All WID courses and requirements are part of WAC, but not all WID courses are writing intensive courses. Writing intensive courses or practices are courses or practices with a significant writing component. Although each discipline is responsible for determining what represents significant writing within the discipline, writing intensive courses share the following characteristics: an emphasis on the forms and quality of writing necessary for the discipline; a clearly defined process appropriate for that writing; and the use of models, guided instruction, and feedback for improving content writing.

The university's WAC program emphasizes quality of the students' writing experience over quantity measured by credit hours. Students earning a baccalaureate degree must complete a minimum number of credit hours designated as writing courses or a combination of writing courses and documentable required writing practices subject to the following guidelines:

- 18 hours of designated writing courses or 12 credit hours of designated writing courses with additional required writing practices; if less than 18 credit hours, the students' department must document writing practices required for degree completion.
- A minimum of six hours of designated writing courses or additional required writing practices; these can be either within or outside of the discipline. If additional writing practices are required rather than six additional credit hours of coursework, the students' department must document writing practices required for degree completion.
- A minimum of nine credit hours of writing intensive coursework, three hours of which must be a WID course designated for the students' major; in lieu of a three credit hour writing intensive WID course, the students' department may designate and document discipline appropriate writing intensive practices required for degree completion.
- A minimum of six credit hours of WID courses, 3 hours of which must be writing intensive.
- A minimum of six credit hours of general education writing courses not part of students' degree plans; this credit must consist of the required composition sequence but may include any designated writing course credit transferred from another institution, not inclusive of developmental writing.

Students completing a two-year degree program must complete the following basic WAC/WID requirements:

- 12 hours of designated writing courses or nine hours of designated writing courses with either three WID hours that are writing intensive or an alternative writing intensive practice; if less than 12 credit hours of designated writing courses, the students' department must document writing practices required for degree completion.
- A minimum of three credit hours of WID courses.

- A minimum of six credit hours of general education writing courses not part of students' degree plans; this credit must consist of the required composition sequence but may include any designated writing course credit transferred from another institution, not inclusive of developmental writing.
- A minimum of three hours of additional designated writing courses or additional required writing practices; these can be either within or outside of the discipline. If additional writing practices are required rather than three additional credit hours of coursework, the students' department must document writing practices required for degree completion.

Departments and programs will identify their WID and writing intensive courses and practices in the College Catalog using catalog statements appended to the Writing Across the Curriculum and Writing Across the Curriculum policy statement. Whereas changes in the policy statement are subject to the curriculum process, each department's catalog statement identifying its WID and writing intensive courses is subject to internal department review; the DSU Writing Committee and the Division of Academic Affairs must be informed of such changes. All courses designated as part of the university WAC/WID program will be identified in the catalog by the following designation added to their course description: "This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program."

**Writing intensive courses** have a significant writing component. Although each department is responsible for determining what represents significant writing within its discipline(s), writing intensive courses share the following characteristics: *an emphasis on the forms and quality of writing necessary for the discipline; a clearly defined process appropriate for that writing; and the use of models, guided instruction, and feedback.*

WI courses are based in strategies that involve both writing-to-learn and learning-to-write activities.

**Writing-to-learn practices** use writing to help students learn course content. **Learning-to-write** practices emphasize the teaching of writing itself, whether as an independent goal within the course (as in ENGL 110 and ENGL 120) or as a discipline-specific goal of the course (for example, a business professor might teach students how to write a company or SWOT analysis). Classroom strategies that incorporate both writing-to-learn and learning-to-write activities include, but are not limited to, the following:

- careful, thoughtful sequencing of writing tasks in order to enable students to 1) move from simpler to more complex tasks and 2) improve as creative and critical thinkers and writers. In first-year composition courses, the sequencing of writing tasks will focus on the preparation of students as WAC and WID writers; in WI courses in the disciplines, sequenced writing tasks will emphasize students' preparation to write within their major fields and future careers.



- the teaching of key concepts about writing (audience; rhetorical situations; genres; accurate and meaningful data collection; use of evidence; professional standards; the research process; integrity in writing; and writing conventions, including citation styles, as appropriate to the course and/or the discipline).
- the use of professional readings and student writing, as appropriate, to provide models of the kind(s) of writing that is (are) required by the course and/or discipline.

First-year composition courses and courses taught within particular disciplines will be bolstered by pedagogical strategies such as these:

- writing activities that are completed by means of a multi-step or scaffolded process (for example, a short in-class reflective writing assignment could lead to a longer and more formal essay);
- frequent and extensive writing with an emphasis on feedback from the professor, peer writing tutors (in the case of discipline-based WI courses, these should be discipline-specific writing tutors), and/or other students in the course;
- reflective writing / metacognitive learning strategies; and
- an emphasis on formative as well as evaluative feedback and low-stakes writing in first-year composition and 100- and 200-level WI courses within the disciplines.

WI courses taught within particular disciplines will also benefit from the use of strategies such as these:

- movement from simpler to more complex discipline-based writing, focusing on the types of writing that are most central to work in a particular discipline and
- an increasing emphasis on evaluative feedback and high-stakes writing in 300- and 400-level courses.

Faculty members who have questions about WI courses or the implementation of WI strategies are encouraged to contact DSU's WAC/WID coordinator at 701-483-2128. Support for student writers in WI courses may be obtained by contacting DSU's Tutoring Center coordinator at 701-483-2122.

### Writing Requirements in Agriculture

Agriculture majors earning a BS degree must complete a minimum of six credit hours of general education WAC courses as part of graduate requirements. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Agriculture majors must also complete an additional 12 hours of WAC/WID credit from the courses listed below including three hours of writing intensive courses marked by an asterisk:

AGEC 241 Introduction to Agricultural Economics (3)

AGRI 350 Agricultural Data Analysis and Statistics (4)

\*AGRI 391 Junior Seminar (1)

\*AGRI 394 Undergraduate Research (1)

\*AGRI 491 Agricultural Seminar (1)

H&CE 241 Leadership and Presentation Techniques (3)

PLSC 110 World Food Crops (3)

\*RNG 491 Range Seminar (1)

Agriculture majors earning an AS degree must complete a minimum of six credit hours of general education WAC courses as part of graduate requirements. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Agriculture majors earning an AS degree must also complete an additional six hours of WAC/WID from the following:

AGEC 241 Introduction to Agricultural Economics (3)

ANSC 114 Introduction to Animal Science (3)

ANSC 123 Feeds and Feeding (3)

H&CE 241 Leadership and Presentation Techniques (3)

PLSC 110 World Food Crops (3)

### Writing Requirements in Accounting, Administration, Finance, Human Resource Management, International Business, and Business Education

Majors in the School of Business and Entrepreneurship must complete a minimum of six credit hours of general education WAC courses not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. All School of Business and Entrepreneurship majors are required to take all of the following courses which meet or exceed the University requirements for WAC/WID (i.e. 12 WID credit hours of which nine credit hours must be writing intensive courses as indicated with an asterisk.)

ACCT 315 Business Law I (3)

\*ACCT 316 Business Law II (3)

ACCT 407 Auditing I (4)

BADM 336 Management and Leadership (3)

\*BADM 369 Business Ethics and Critical Thinking (3)

BADM 455 International Business (3)

\*BADM 485 Business Policy (4)

\*BOTE 210 Business Communication (3)

\*ENTR 366 Entrepreneurship (3)

MRKT 301 Principles of Marketing (3)

## Writing Requirements in Art

Art majors must complete a minimum of six credit hours of general education WAC courses not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Art majors must complete an additional 12 hours of WAC/WID credit from the courses listed below, including at least three hours of writing intensive courses marked by an asterisk:

\*ART 210 Art History I (3)

\*ART 211 Art History II (3)

\*ART 310 Modern Art History (3)

ART 311 Professional Practices (3)

ART 410 Senior Exhibition (2)

ART 411 Senior Exhibition (1)

ART 497 Art Internship (2) **OR**  
GDES 497 Graphic Design Internship (2)

SEED 490A Art Methods for K-12 Education (4)

Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit requires the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

## Writing Requirements in Communication

Communication majors must complete a minimum of 6 credit hours of general education WAC courses not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Communication majors must complete an additional 12 hours of the WAC/WID courses from the list below, all of which are writing intensive:

COMM 280 Understanding Film and TV (3)

COMM 308 Argumentation (3)

COMM 313 Persuasion (3)

COMM 410 Public Relations (3)

COMM 497 Communication Internship, Externship,  
Cooperative Education (3)

ENGL 300 Professional and Technical Writing

Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing.

Such alternative credit requires the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

## Writing Requirements in Music

Music majors must complete a minimum of six credit hours of general education WAC courses not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Music majors must complete an additional 12 hours of WAC/WID courses, including at least three hours of writing intensive courses marked by an asterisk:

MUSC 122 Music Theory and Analysis I (3)

MUSC 124 Music Theory and Analysis II (3)

\*MUSC 201 Introduction to World Music (3)

MUSC 222 Music Theory and Analysis III (3)

MUSC 224 Music Theory and Analysis IV (3)

\*MUSC 326 Music History and Literature I (3)

\*MUSC 327 Music History and Literature II (3)

\*MUSC 488 Senior Recital (1)

Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit requires the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

## Writing Requirements in Theatre

Theatre majors must complete a minimum of six credit hours of general education WAC courses not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Theatre majors must complete an additional 12 hours of WAC/WID credit from the courses listed below, including at least three hours of writing intensive courses marked by an asterisk:

THEA 261 Acting II (3)

THEA 270 Stagecraft (3)

\*THEA 310 Directing (3)

THEA 325 Theatrical Design (3)

\*THEA 350 Theatre History (3)

\*THEA 450 Senior Project (2)

THEA 491 Theatre Seminar (3)

Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit requires the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

### Writing Requirements in Exercise Science

Exercise Science majors must complete a minimum of six credit hours of general education WAC course not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Exercise Science majors must complete an additional 12 hours of WAC/WID courses from the list below, all of which are writing intensive:

HPER 300 Performance Assessment & Training Prescription (3)

HPER 430 Measurement & Evaluation (2)

HPER 432 Physiology of Exercise (3)

HPER 435 Advanced Exercise Science (4)

HPER 494 Undergraduate Research (1-6)

Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit required the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

### Writing Requirements in Physical Education

Physical Education majors must complete a minimum of six credit hours of general education WAC course not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Physical Education majors must complete an additional 12 hours of WAC/WID course from the list below, all of which are writing intensive:

EDUC 300 Teaching for Diversity with Field Experience (2)

EDUC 390E Health Education Methods (2)

EDUC 405 - Educational Psychology (2)

HPER 410 Psychology & Sociology of Sport & Exercise (2)

HPER 430 Measurement & Evaluation (2)

HPER 432 Physiology of Exercise (3)

Physical Education Majors may substitute their required Teacher Education Portfolio as a writing practice equivalent to three hours of writing intensive credit at any level. Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit required the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

### Writing Requirements in English

English majors must complete a minimum of six credit hours of general education WAC courses not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. All English courses are WAC/WID courses, but not all of them are writing intensive. English majors must complete an additional 12 hours of WAC/WID courses in English, nine hours of which must consist of any of the following combination of writing intensive courses with six of those hours consisting of upper-level credit:

ENGL 210 College Composition III (3)

ENGL 211 Introduction to Creative Writing (3)

ENGL 280 Sophomore Project (1)

ENGL 288 Collaborative Writing and Special Projects (1-6)

ENGL 300 Technical Writing (3)

ENGL 305 Writing About Literature (3)

ENGL 310 Advanced Creative Writing (3)

ENGL 440 Literary Criticism (3)

ENGL 480 Senior Project (1)

ENGL 488 Collaborative Writing and Special Projects (1-6)

English Education Majors may substitute their required Teacher Education Portfolio as a writing practice equivalent to three hours of writing intensive credit at any level. Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit requires the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

## Writing Requirements in Mathematics

Mathematics and Mathematics Education majors must complete a minimum of six credit hours of general education Writing Across the Curriculum (WAC) courses. These credits would typically consist of DSU's ENGL 110 College Composition I and ENGL 120 College Composition II, which are writing intensive, or transfer courses considered equivalent or credit awarded by SBHE and/or NDUS placement or transfer policies. Mathematics and Mathematics Education majors must then complete 12 credit hours of Writing In the Discipline (WID) courses, of which three credits must be writing intensive, and six must be upper-level courses. The following courses will fulfill these requirements:

MATH 326 Abstract Algebra (4)

MATH 339 Topics in Geometry (2)

MATH 411 Introduction to Real Analysis (4)

MATH 430 History of Mathematics (3)

MATH 491 Mathematics Seminar (1)

Of the courses listed above, MATH 411 Introduction to Real Analysis is writing intensive.

In the case of a student transferring in a course for one above that does not have a significant writing component, Mathematics Education majors may substitute their Teacher Education Portfolio as a writing practice equivalent to three hours of writing intensive credit at any level. Writing intensive credit may also be available by taking courses in other areas, such as courses in a student's minor, or other alternative means. Such alternative credit requires the student to submit documentation of intensive writing accompanied by a program substitution form filed with and approved by the department Chair.

## Writing Requirements in Computer Science

Computer Science majors must complete a minimum of six credit hours of general education Writing Across the Curriculum (WAC) courses. These credits would typically consist of DSU's ENGL 110 College Composition I and ENGL 120 College Composition II, which are writing intensive courses, or transfer courses or credit considered equivalent according to SBHE transfer or placement policies. Computer Science majors must then complete 12 credit hours of Writing in the Discipline (WID) courses, six credits of which must be upper-level and three credits of which must be writing intensive. The following courses will fulfill these requirements, including the writing intensive course marked by an asterisk:

CSCI 161 Computer Science II (4)

\*CSCI 342 Object Programming with Data Structures (4)

CSCI 486 Social Implications of Computing (3)

CSCI 491 Seminar (3)

In the case of a student transferring in a course for one above that does not have a significant writing component, the student may substitute courses from other areas such as courses in a student's minor or other alternative means. Such alternative credit requires the student to submit documentation of intensive writing accompanied by a program substitution form filed with and approved by the department Chair.

## Writing Requirements in Computer Technology Management

Computer Technology Management majors must complete a minimum of six credit hours of general education Writing Across the Curriculum (WAC) courses. These credits would typically consist of DSU's ENGL 110 College Composition I and ENGL 120 College Composition II, which are writing intensive courses, or transfer courses or credit considered equivalent according to SBHE transfer or placement policies. Computer Technology Management majors must then complete 12 credit hours of Writing in the Discipline (WID) courses, six credits of which must be upper-level and three credits of which must be writing intensive. The following courses will fulfill these requirements, including the writing intensive course marked by an asterisk:

CSCI 161 Computer Science II (4)

\*CSCI 220 Computer Aided Design (3)

CSCI 486 Social Implications of Computing (3)

CSCI 491 Seminar (3)

In the case of a student transferring in a course for one above that does not have a significant writing component, a student may substitute courses from other areas such as courses in a student's minor or other alternative means. Such alternative credit requires the student to submit documentation of intensive writing accompanied by a program substitution form filed with and approved by the department Chair.

## Writing Requirements for Natural Science

Students pursuing a major in the Natural Sciences department must complete a minimum of six credit hours of general education WAC courses that are not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Natural Sciences majors must also complete an additional 12 hours of WAC/WID from the approved DSU courses listed below that includes four mandatory credit hours of writing intensive courses as indicated with an asterisk.

### Biology programs:

BIOL 150L General Biology I Lab (1)

BIOL 151L General Biology II Lab (1)

BIOL 170 General Zoology (4)

BIOL 254 Introduction to Botany (4)

BIOL 305 General Microbiology (4)

BIOL 315 Genetics (4)

BIOL 330 Cell Biology (4)

\*BIOL 390 Biology Research I (1)

BIOL 410 Animal Physiology (4) **OR**  
BIOL 454 Plant Physiology (4)

BIOL 415 Ecology (4)

BIOL 459 Evolution (4)

\*BIOL 491 Biology Senior Seminar (1)

\*SCNC 389 Scientific Writings and Reading (2)

#### **Chemistry programs:**

CHEM 420 Advanced Inorganic Chemistry (3)

CHEM 461L Physical Chemistry I Lab (1)

CHEM 462L Physical Chemistry II Lab (1)

\*CHEM 470 Spectroscopy (3)

\*CHEM 491 Chemistry Seminar (1)

\*PHYS 251L University Physics I Lab (1)

\*PHYS 252L University Physics II Lab (1)

#### **Composite Science Education program:**

BIOL 150L General Biology I Lab (1)

BIOL 151L General Biology II Lab (1)

\*BIOL 300 Environmental Biology (3)

BIOL 305 General Microbiology (4)

GEOL 320 Hydrogeology (3)

\*PHYS 211L College Physics I Lab (1) **OR**

\*PHYS 251L University Physics I Lab (1)

\*PHYS 212L College Physics II Lab (1) **OR**

\*PHYS 252L University Physics II Lab (1)

SCNC 315 Weather and Climate (3)

SCNC 389 Scientific Writings and Readings (2)

SEED 490S Secondary Education Science Methods (3)

#### **Environmental Science program:**

BIOL 150L General Biology I Lab (1)

GEOL 320 Hydrogeology (3)

\*PHYS 211L College Physics I Lab (1)

\*PHYS 212L College Physics I Lab (1)

SCNC 315 Weather and Climate (3)

SCNC 389 Scientific Writings and Reading (2)

\*SCNC 390 Science Research I (1)

Biology, Chemistry, and Composite Education Majors may substitute their required Teacher Education Portfolio as a writing practice equivalent to three hours of writing intensive credit at any level. Writing intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit requires the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed by the department Chair.

#### **Writing Requirements in Nursing**

Nursing majors must complete a minimum of six credit hours of general education WAC courses as part of the graduate requirements. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credits considered equivalent according to SBHE placement and transfer policies. Nursing majors must complete an additional 11 hours of WAC/WID courses, all of which are writing intensive:

NURS 251 Intermediate Nursing Concepts II (4)

NURS 328 Nursing Role Transition (2)

NURS 330 Nursing Research (2)

NURS 425 Nursing Leadership and Management (3)

#### **Writing Requirements in Social Science**

Students pursuing degrees in Composite Social Science, Political Science, and History must complete a minimum of six credit hours of general education WAC courses that are not part of the students' degree plan. Those credits must include DSU's College Composition I and II, which are writing-intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Composite Social Science, Political Science, and History majors must complete an additional 12 hours of WAC/WID courses from the list below, all of which are writing intensive:

ECON 106 Global Economics (3)

GEOG 454 Conservation (3)

HIST 325 Research Methods (3)

HIST 330 History of the American West (3)

HIST 345 History of the U.S. Presidency (3)

HIST 399 Special Topics (1-6)

HIST 491 History Seminar (1-6)

POLS 315 Public Opinion (3)

POLS 375 Environmental Economics, Law, and Public Policy Development (3)

POLS 380 Energy Politics (3)

POLS 399/ECON 399 Special Topics - American Political Economy (3)

SOC 115 Social Problems (3)

SOC 491 Senior Seminar (1-6)

SWK 256 Development of Social Welfare (3)

SWK 330 Human Behavior in the Social Environment (3)

### **Writing Requirements in Psychology**

Psychology majors must complete a minimum of six credit hours of general education WAC courses, which should consist of or be equivalent to DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Psychology majors must complete an additional 12 credit hours of WAC/WID courses, which include the following writing intensive courses:

PSYC 260 History and Systems (3)

PSYC 345 Research and Experimentation in Psychology I (3)

PSYC 346 Research and Experimentation in Psychology II (3)

PSYC 491 Seminar in Psychology (3)

### **Undocumented, Additional Writing Intensive Practices in Psychology**

PSYC 494 Independent Study/Undergraduate Research may also be considered a writing intensive course upon approval by the department Chair, providing that the instructor can document writing intensive practices.

Students in Psychology are required to provide a written analysis of their research activities at the end of their last semester of study. Additionally, students often submit an abstract to at least one conference and present their work either orally or by poster presentation (or both) at the Red River Psychology conference and/or the Celebration of Scholars conference at DSU.

### **Writing Requirements in Education**

Elementary Education majors must complete a minimum of six credit hours of general education WAC courses not part of their professional education course sequence. Those credits must include DSU's College Composition I and II, which are writing-intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. Elementary Education majors must complete an additional 10 hours of WAC/WID courses consisting of the following writing-intensive courses:

EDUC 300 Teaching for Diversity (2)

EDUC 405 Educational Psychology and Evaluation (2)

ELED 238 Children's Literature (3)

ELED 300 Elementary Curriculum and Language Arts (3)

Elementary Education majors also complete a required Teacher Education Portfolio, which is considered a writing-intensive project in addition to the courses indicated above. Writing-intensive credit may also be available through alternative means, such as completing other upper-level courses, including internships, which require extensive guided instruction and recursive practice in writing. Such alternative credit requires the student to submit a writing portfolio documenting the intensive writing accompanied by a program substitution form filed with and approved by the department Chair.

Secondary Education majors must complete the writing requirements of their home departments. In order to meet the requirements for teaching licensure, a minimum of 6 credit hours of general education WAC courses must include DSU's College Composition I and II or their equivalents in transfer courses, according to SBHE placement and transfer policies. An additional 6 hours of WAC/WID courses are offered through the following required education courses, which are writing-intensive:

EDUC 300 Teaching for Diversity (2)

EDUC 405 Educational Psychology and Evaluation (2)

Secondary Education majors also complete a required Teacher Education Portfolio, which their home departments may accept in substitution for 3 hours of writing-intensive credit. Secondary Education majors should consult their departmental advisors to insure completion of all writing requirements for their home departments.

### **Writing Requirements in University Studies**

University Studies majors must complete a minimum of six credit hours of general education WAC courses not part of students' degree plans. Those credits may consist of DSU's College Composition I and II, which are writing intensive, or transfer courses or credit considered equivalent according to SBHE placement and transfer policies. University Studies majors must complete an additional 12 hours of courses designated as WAC/WID courses, including 3 hours of upper-level writing intensive coursework.

### **STUDENT EVALUATION OF FACULTY AND COURSES**

Student evaluation of faculty and courses is an important part of Dickinson State University's learning outcome assessment program. Additionally, the North Dakota State Board of Higher Education policy requires faculty evaluations with significant student input. Faculty course evaluations provide valuable data to Dickinson State University for institutional research, curricular revision, and personnel management.

These evaluations are completed online and can be accessed during the evaluation time period, and instructions can be found on the Dickinson State University website. Student responses on the faculty course evaluations will be confidential and used by the University for the purposes cited above.

## CREDIT HOUR ASSIGNMENT GUIDELINES

Dickinson State University courses offered for credit are based on semester hours. Semesters are 15 weeks long plus one week for final exams (SBHE 406.1). One hour of direct faculty instruction (i.e., guided instruction) time is defined as no less than 50 minutes of actual class instruction. This is consistent with best practice allowing for breaks between classes. An hour of preparation or related activity outside of the classroom is equivalent to 60 minutes.

### Credit Hour Options

- *Traditional Lecture/Discussion Courses – Fixed Credit:* These courses are given specific names, are listed by program in the Dickinson State University Catalog, and are offered for a fixed number of credits. One credit equals one hour of guided instruction and two hours of out-of-class preparation per week for 15 weeks, plus a final exam period. When a course counts for more than one credit, the hours are multiplied by the number of credits. Students are expected to register for a course and do all of the work for that course during the semester for which they are registered.
- *Activities Courses – Fixed Credit:* These courses are given specific names, are listed by program in the Dickinson State University Catalog, and are offered for a fixed number of credits. Students are expected to register for a course and do all of the work for that course during the semester for which they are registered.
  - Laboratory Courses: One credit equals two or three hours of guided instruction and one hour of out-of-class preparation per week for 15 weeks. When a course counts for more than one credit, the hours are multiplied by the number of credits.
  - Nursing Clinicals: One credit equals three hours of guided instruction per week for 15 weeks. When a course counts for more than one credit, the hours are multiplied by the number of credits.
  - Art Studio Courses: One credit equals 1.4 hours of guided instruction and three hours of studio preparation per week for 15 weeks, plus a final exam period. When a course counts for more than one credit, the hours are multiplied by the number of credits.
  - Music Ensembles, Instrumental Methods: One credit equals at least two hours of guided instruction and one hour of out-of-class preparation per week for 15 weeks, plus a final exam period. When a course counts for more than one credit, the hours are multiplied by the number of credits. This is consistent with the National Association of Schools of Music Standard III.A.2.b.
  - Music Applied Lessons: One credit equals one hour of guided instruction and at least three hours of out-of-class preparation per week for 15 weeks. One-half of a credit (0.5) equals a half hour of guided instruction and at least two hours of out-of-class preparation per week for 15 weeks. This is
- *Discretionary Courses – Variable Credit:* These courses are available in all programs and allow instructors and programs to develop and offer unique courses. They are usually taught with the credit hour expectations of traditional courses in which one credit equals one hour of guided instruction and two hours of out-of-class preparation per week for 15 weeks, plus a final exam period. When inherently activity oriented, they may follow the expectations of activities courses in which, for one credit, the ratio between guided instruction and out-of-class preparation can vary, but must add up to at least three hours per week for 15 weeks. For activity-oriented classes, the final exam period is optional. Students are expected to register for a course and do all of the work for that course during the semester for which they are registered.
  - Seminar: Often considered a capstone, variable credit from one to six.
  - Experimental Course: A course designation used to test a potential permanent course, variable credit from one to four.
  - Special Topics, Readings: Variable credit from one to six.
- *Activities Courses – Variable Credit:* These courses are available in all programs and allow for various types of activities courses. They all require some initial instructor guidance followed by regularly scheduled conferences with or supervision by the instructor and periodic and final evaluation by the instructor. One credit equals the average amount of that guided instruction per week plus enough out-of-class activities to total three hours per week for 15 weeks. These activities must be relevant to the learning outcomes of the course. A final exam period is optional. These courses allow for variable credit from one to six. Students are expected to register for a course and do all of the work for that course during the semester for which they are registered.
  - Peer Tutoring: Activities that contribute to credit hour computation should involve training and experience at assisting success at learning in a one-on-one or small group context. A maximum of eight (8) semester hours of Peer Tutoring credit may be used to fulfill graduation requirements. Service Learning is graded S/U.
  - Independent Study/Undergraduate Research: Activities that contribute to credit hour computation should involve in-depth study through systematic reading, research, field observations, experiments, analysis, writing, etc. These are typically offered Directed Study (see below) and research projects require the approval of the appropriate department chair.

consistent with the National Association of Schools of Music Standard III.A.2.c.

- **Service Learning:** Activities that contribute to credit hour computation should involve participation in an organized service activity that meets identified on- or off-campus community needs and reflection on the service activity in such a way as to gain further understanding of social issues and civic responsibility. A maximum of twelve (12) semester hours of Service Learning credit may be used to fulfill graduation requirements. Service Learning is graded S/U.
- **Study Tours:** Activities that contribute to credit hour computation may include guest lectures; discussions with guides, local residents, faculty or students at partner institutions or other relevant individuals; museum, clinic, business, government building, or other site visits; cultural excursions and performances; as well as course meetings, readings, writing, or production of creative work, etc.
- **Internship, Externship, Cooperative Education:** Activities that contribute to credit hour computation should involve paid or unpaid on-the-job training. From one to six credits may be earned during most specific internship experiences. ACCT 497 and BADM 497 allow one to twelve credits to be earned. **A maximum of twelve (12) semester hours of internship credit may be used to fulfill graduation requirements.** Students should visit with their academic advisor and the appropriate department chairperson regarding internships.
- **Directed Studies:** These offer a specific course to an individual student who, because of scheduling issues, cannot take it through one of the other delivery options. A Directed Study can be traditional, activity-oriented, discretionary, fixed credit or variable credit course. Instructors are under no obligation to offer Directed Studies, but may entertain requests to do so. The instructor of the course should alter the usual syllabus to require some initial instructor guidance followed by regularly scheduled conferences with the instructor and periodic and final evaluation by the instructor. One credit equals the average amount of that guided instruction per week plus enough out-of-class activities to total three hours per week for 15 weeks. A final exam period is optional.
- **Competency Based Credit-Earning Options:** These options provide opportunities to earn academic credit without participating in formal instruction via a regular classroom setting. Credits earned via any “competency based” option may not be transferable to another educational institution. Credits will be posted in the term in which the credits are granted. Credits earned through alternative credit-earning options are given S/U grades. **Only 30 total Competency Based credits may apply toward graduation with a Bachelor's degree and 15 total may apply toward graduation with an Associate's degree.** No Competency Based credits may be used toward the 30 total credits that must be earned at DSU for graduation. Students may not apply for Competency Based Credit-earning options for a course that was previously attempted or taken (appearing on the transcript as W, F or other letter grade).

For additional information regarding Competency Based Credit-Earning Options, Contact the Director of Academic Records in May Hall, Room 111.

- **Standardized Exams:** DSU accepts NDUS approved nationally recognized and standardized exams (AP/IB/CLEP/DSST) for specific classes and their assigned credit values. Students must document achievement of the approved minimum score and must have matriculated to DSU and be in good standing before credit can be posted to their DSU transcript. See [Credit by exam \(ndus.edu\)](#) for the list of approved exams. AP (Advanced Placement) and IB (International Baccalaureate) exams are given in high schools. Note: IB exams must be at the higher (HL) level. DSU is a national testing center for students wishing to take CLEP/DSST examinations. CLEP/DSST examinations are computerized and administered as needed. CLEP/DSST subject examinations may not be taken to establish credit for a course in which a student has earned credit in a higher level sequential course, or in a subject the student has previously failed. Some CLEP tests allow for optional essay questions. Essay will not be evaluated or graded unless the minimum passing score is obtained on the objective portion of the test. An examination fee is paid directly to CLEP/DSST and there may be an administrative fee required for the computer-based testing. If there are questions, please contact the DSU Office of Academic Records. AP/IB/CLEP/DSST tests that are not NDUS approved may be taken for Independent Study/Undergraduate Research credit, if approved by the appropriate Department Chair and College Dean. AP/IB/CLEP/DSST tests may not be used to satisfy residence-credit requirements for graduation.
- **Challenge Exam:** A special course challenge exam is available for CSCI 101 - Introduction to Computers. The exam is only permitted if the student has no previous record of registration for the course. Approval to take the exam must be obtained from the academic advisor, the instructor of the course, and the Chair of the Department of Mathematics and Computer Science. The exam will be administered by the DSU SOAR Center. Upon successful completion of the exam, students will pay a recording fee to have CSCI 101 posted on their transcript. Unsuccessful attempts at the exam will not be recorded.
- **Foreign Language Requirement Exemption:** A Competency Based Credit-Earning Option that is specific to the BA Foreign Language Requirement provides students who have prior learning in a language with alternatives to complete the requirement. Students must have matriculated to DSU and be in good standing to apply for any of these alternatives. International Students whose languages are other than English receive an automatic waiver of the Bachelor of Arts foreign language requirements but are subject to TOEFL requirements.



These students must still complete the minimum credit required in any relevant programs and the minimum credit required for graduation.

International students whose language is English and domestic students who enter Dickinson State University as native or near-native speakers of languages other than English, or students with undocumented foreign language proficiency may pursue the following alternatives to secure an exemption from all or part of the requirement.

- i. Provide the Office of Academic Records with a transcript for graduation from a non-English speaking High School or College from a country other than the U.S. This alternative results in a waiver of the requirement. Students who secure a waiver still must complete the minimum number of credits in relevant programs and the minimum number of credits required for graduation.
  - ii. Arrange with the Technology Resource and Education Center to take one of the two approved proficiency exams: either NYU Language Proficiency Test, which can certify proficiency for up to 16 credit hours and completion of the 202 level; or a CLEP Foreign Language Exam, which can certify proficiency for up to 8 credits hours and completion of the 102 level. There are fees associated with both of these exams. (This alternative automatically transcripts the certified hours of language credit).
- **Prior Learning Assessment:** Credit may be awarded for past experience which can be directly related to a specific course, its learning outcomes and its assigned credit value. Students must have matriculated to DSU and be in good standing to apply. Documentation, usually in the form of a portfolio, is provided to the appropriate Department Chair. Credit is awarded through enrollment in the UNIV 200 course and use of the Request for Prior Learning Assessment Form. Prior Learning Assessment Credit cannot be designated and transcribed under catalog numbers 292/492 or 299/499. A per credit recording fee will be charged.
  - **Evaluated Non-College Coursework Credit:** Credit may be awarded through use of published credit recommendations for formal instructional programs offered by non-collegiate agencies, especially the U.S. military. GERTA and/or the American Council on Education (Guide to Evaluation of Education Experiences in the Armed Services on the ACE website) provide equivalencies between U.S. military training and specific college courses. These courses are recorded to the transcript without charge. Additionally, up to 10 credits of "free elective credit" may be awarded for U.S. armed services training without direct relation to any specific course. Department Chairs can assist in assigning an appropriate prefix. Catalog numbers 292/492 or 299/499 are usually appropriate. Also, HPER 100 will be waived for U.S. military personnel or veterans.

Published and authorized equivalencies between military training in other countries or civilian instructional programs and specific college courses must be available for such instruction to be granted credit. Credit gained through military training in other countries or civilian instruction must pay a fee to record the class on the transcript.

Documentation of completed training, whether military or civilian, is required.

### Delivery Options

- **Face-to-Face Courses:** These courses provide guided instruction in synchronous and live environments. All activities when the instructor and student are face-to-face during the regularly scheduled class time are considered guided instruction. All activities other than those are considered student preparation. Depending on whether the course is traditional, activity-oriented, discretionary, fixed credit or variable credit, the appropriate guidelines above apply.
- **Synchronous Distance Courses:** This technology includes Interactive Video Networks, Blackboard Collaborate, Polycom CMA, and Skype and any other technology that permits synchronous delivery to a group. Although guided instruction may be mediated through some technology, the delivery is synchronous and face-to-face interaction is established. All activities when the instructor and student are face-to-face during the regularly scheduled class time are considered guided instruction. All activities other than those are considered student preparation. Depending on whether the course is traditional, activity-oriented, discretionary, fixed credit or variable credit, the appropriate guidelines above apply.
- **Online Courses:** These courses are offered entirely online and are primarily asynchronous. However, students are expected to be engaged in guided instruction through means which include online reading of course syllabi, assignment sheets, power points, lecture or textbook notes, linked documents, discussion posts, or emails from the instructor or peers; online writing of discussion posts, assessments, analysis, emails to the instructor or peers; taking exams; listening to or watching recorded lectures or linked audio or video files; engaging with an interactive tutorial or computer-assisted instruction; presenting to or listening to peers; participating in virtual small group projects or study efforts; and in any other way interacting with the faculty member and/or class members regarding the academic subject of the course. Some of these means may add synchronous components to primarily asynchronous courses. Departments must document through syllabi that they are meeting the minimum credit hour requirement for the credit awarded. Depending on whether the course is traditional, activity-oriented, discretionary, fixed credit or variable credit, the appropriate guidelines above apply.

- *Hybrid Face-to-Face and Online Courses* (sometimes referred to as blended courses): These courses deliver portions of their content face-to-face and portions of their content online. (As little as 1/4 or as much as 3/4 of the face-to-face classroom instruction will be replaced with online instructional methods.)

Still, the appropriate number of hours of guided instruction, be they face-to-face or online or some combination of the two, must be included in the class. Departments must document through syllabi that they are meeting the minimum credit hour requirement for the credit awarded. Depending on whether the course is traditional, activity-oriented, discretionary, fixed credit or variable credit, the appropriate guidelines above apply.

- *DSUlive Courses*: Students enrolled in these courses are able to choose to attend class synchronously via a live video session or asynchronously by watching recorded lecture videos at a later time with pre-approved instructor permission. Instructors will use Blackboard for distribution and collection of all course materials, discussion threads, and assessment activities. DSUlive sections may be offered in conjunction with face-to-face courses.
- *Accelerated Courses*: These courses are offered in terms that are shorter than the traditional 15 week semester. In addition to the 15 week semester, Dickinson State University typically offers eight week courses and five week courses, although other lengths may be occasionally offered. These all must meet the same guided instruction and out-of-class hour requirements as courses offered as traditional semester-length classes. Depending on whether the course is traditional, activity-oriented, discretionary, fixed credit or variable credit, the appropriate guidelines above apply.

## CURRICULA

Academic policies of Dickinson State University may be appealed through the Provost/Vice President for Academic Affairs.

Dickinson State University awards the following degrees:

Master of Arts in Teaching  
 Master of Athletic Educational Leadership (Pending HLC Approval)  
 Master of Business Administration (Pending HLC Approval)  
 Master of Education in Elementary Education (Pending HLC Approval)  
 Master of Entrepreneurship  
 Bachelor of Applied Science  
 Bachelor of Arts  
 Bachelor of Business Administration  
 Bachelor of Science  
 Bachelor of Science in Education  
 Bachelor of Science in Nursing  
 Bachelor of University Studies  
 Associate in Arts  
 Associate in Applied Science  
 Associate in Science  
 Certificate  
 Certificate of Completion

## MASTERS DEGREE

### Master of Arts in Teaching

The graduate degree program is for individuals without teaching credentials but who have successfully completed a baccalaureate degree in a secondary education field of study and wish to become a teacher in an efficient fashion.

### Master of Athletic Educational Leadership (Pending HLC Approval)

The graduate degree program is for individuals who have successfully completed a baccalaureate degree and wish to pursue a master's degree to advance their coaching or athletic administration career.

### Master of Business Administration (Pending HLC Approval)

The Master of Business Administration (MBA) is a graduate degree that will prepare our students with skills to innovate, collaborate, and lead effectively and efficiently. The MBA degree will focus on classes in accounting, finance, ethics, management theory, organizational communication, and marketing, to name a few. This accredited degree will challenge students to become a strategic business leader.

### Masters of Education in Elementary Education (Pending HLC Approval)

This graduate degree has a dual focus of research and pedagogy. It's not intended as a pathway to teacher licensure, but will move in-service teachers up the salary schedule considerably, while increasing their professional knowledge and pedagogical skills as classroom teachers. It has a cognate devoted to elementary education which will set it apart from others in the United States.

### Master of Entrepreneurship

The main purpose of this graduate degree program is to provide graduate-level education to students which will enhance their ability to contribute to our economy and quality of life as either business owners or employees.

## BACHELOR DEGREES

### Baccalaureate Degree Requirements Regarding Upper Division Coursework

Baccalaureate degree graduates must have earned a minimum of 32 semester hours of upper division (300-400) course credit, either from Dickinson State University or another regionally accredited institution.

### Major/Minor Minimum Credit Requirements

**Majors** must consist of a minimum of 32 semester hours, 18 hours must be from Dickinson State University.

**Minors** must consist of a minimum of 21 semester hours, 12 hours must be from Dickinson State University.

A student cannot minor within their major field of study.

## Bachelor of Science Degrees

Students seeking a Bachelor of Science degree may choose a major from departments in the College of Education, Business and Applied Sciences and the College of Arts and Sciences. A minor is also required for graduation unless the major consists of 56 or more credit hours.

## Bachelor of Business Administration

Students who seek a Bachelor of Business Administration may choose one or more of four majors from the School of Business and Entrepreneurship. These include:

- Accounting
- Administration
- Finance
- Human Resource Management

## Bachelor of University Studies Degrees

The Bachelor of University Studies (BUS) program affords students the opportunity to plan their own curriculum, and to choose those courses which seem most valuable and interesting to them. Students should note that the BUS degree does not qualify the graduate for teacher certification.

## Bachelor of Applied Science Degree

The Bachelor of Applied Science Degree is intended to build on an Associate in Applied Science Degree (AAS) but can be pursued independently by completing all 120 semester hours at DSU and meeting the minimum program requirements as listed in the School of Business and Entrepreneurship section.

## Bachelor of Science in Education Degrees

The Bachelor of Science in Education curriculum offers two programs for teaching in elementary (1-8, K-8) and secondary schools (5-12).

### *Elementary Education*

The Bachelor of Science in Education degree with a major in Elementary Education includes General Education courses and both pre-professional and professional education courses. Early childhood education and reading concentrations are available, as are courses for middle school English, mathematics, social studies, and science. These concentrations and options lead to special state endorsements and/or credentials.

### *Secondary Education*

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, pre-professional and professional education, the major field, and elective areas. In selecting major and minor fields, students should consider both their own interests and the most common combinations in secondary schools.

## Major Fields Are:

Biology Education  
 Business Education  
 Chemistry Education  
 English Education  
 History Education  
 Mathematics Education  
 Music Education – Instrumental, Choral, or Composite options  
 Physical Education  
 Composite Science Education - Biology or Earth Science tracks  
 Composite Social Science Education  
 Technology Education (in cooperation with Valley City State University)

For K-12 licensure in art, physical education, and music, students must take additional work in the major plus a sequence of professional education courses that give them a background in working with elementary students. The specific courses in the major can be found under the appropriate major section in the catalog. Specifics of the professional core are found under the Department of Teacher Education.

## ASSOCIATE DEGREES

### Associate in Arts

This General Education degree is considered as the primary degree for students who will be pursuing a four-year degree in the future. The following sub-plans are available for the Associate in Arts degree:

- Communication
- Music
- Theatre

### Associate in Science

This General Education degree is considered as the primary degree for students who will be pursuing a four-year degree in the future. The following sub-plans are available for the Associate in Science degree:

- Agricultural Sales and Service
- Allied Health
- Biology
- Chemistry
- Criminal Justice
- Elementary Education
- Engineering
- Geology
- Secondary Education
- Substance Abuse Counseling

## Associate in Applied Science

The AAS degree prepares graduates for the workforce, students completing an Associate in Applied Science degree will not be General Education complete.

- Administration
- Practical Nursing

## CERTIFICATE PROGRAMS

Certificate programs are designed for immediate application to a work environment and require nine or more credit hours.

- Accounting Technician
- Allied Health
- Banking
- Business (Graduate)
- Business Fundamentals
- Computer Programming
- Data Entry Specialist
- Digital Communication
- Digital Marketing
- Entrepreneurship (Graduate)
- Farm and Ranch Management
- Graphic Design
- Horse Production
- Hospitality
- Human Resource Management
- Music
- Office Administration Specialist
- Physical Science
- Reception Services Specialist
- Theatre
- Web Management
- Welding Technology

## CERTIFICATE OF COMPLETION PROGRAMS

Dickinson State University offers the following Certificate of Completion Programs in which eight or less semester hours of credit are required.

- CPA Preparation
- Corrective and Therapeutic Exercise
- Entrepreneurship
- Strength and Conditioning
- Wellness

## DECLARATION OF MAJOR

Students should declare a major by the end of their freshman year for advising and registration purposes. Undeclared students will be listed as seeking a Bachelor of University Studies degree.

## CHANGING MAJORS OR ADVISORS

A student may, at any time, change his/her major and/or academic advisor. Students will need to complete a *Change of Major/Advisor Form* which is available on the Office of Academic Records webpage.

## WITHHOLDING OF TRANSCRIPTS OR REGISTRATION PRIVILEGES

Official transcripts may be withheld if the student has not fulfilled financial obligations. The student will, however, be given grade results and unofficial transcripts. Non-fulfillment of financial obligations may result in the student being denied further registration until the obligation is satisfied.

## STUDENT LOAD

New first-time freshmen are not permitted to take excess load credits during their first semester at Dickinson State University.

The normal load for a semester is 16 credit hours (summer session, 12 hours). Students can enroll for a maximum of 18 hours without an advisor signature. Enrollment for credits beyond 18 credit hours (19-21 credit hours, summer session 13-15 credit hours) requires signatures of the advisor the appropriate department chair/s, and a minimum GPA of 3.00.

**Students should not take more than 21 credit hours in a regular semester (15 summer session).** Waiver of restrictions (hours/GPA) can be granted by the college dean if recommended by the department chair up to 23 credit hours.

## SUMMER SESSION

Summer session consists of one two-week Maymester, two five-week sessions, one ten-week session and one eight-week session. All academic credits earned by students officially enrolled in the summer session will be recorded as part of Dickinson State University's official designated summer session.

## CLASS ATTENDANCE POLICY

1. It is the official policy of Dickinson State University that all students are expected to attend all scheduled classes and labs of the courses in which they have enrolled as published in the official course schedule. Faculty must use their professional judgement regarding student attendance in the courses that they teach.
  - a. Faculty are responsible for indicating their attendance policy on their course syllabi and for informing students how that attendance policy will be applied to the assigning of grades for the course.
2. Faculty are required to excuse students from classes for the following events or circumstances and to provide opportunities for students to make up exams or class work which the student may miss for these sanctioned absences. The faculty member is expected to accommodate the student's situation without compromising the academic integrity of the course or in-class experience.
  - a. Academically related and institutionally sponsored activities (class field trips, athletic competitions, study tours, band and chorale tours, student government activities, student board sponsored activities, etc.)
    - i. The faculty member, advisor, or coach will prepare written notification of these absences and circulate them to faculty and staff.
    - ii. This notification is to be circulated prior to the activity.
    - iii. Faculty is required to accommodate the student for these circumstances and not penalize them for engaging in institutional activities.
  - b. Medical and other personal situations for which the student has no control; i.e., weather, court subpoena, jury duty, etc.
    - i. The student is responsible for providing documentation for medial emergencies and legal situations.
    - ii. In cases of death of student family members, the faculty member is expected to accommodate the student's situation.
3. All students have the responsibility for personally contacting instructors concerning their absences from the class and any corresponding class work, especially if specific assignments are due on the day of absence. Faculty must use their professional judgement and discretion in making such allowances regarding course work.

## STUDENT BODY CLASSIFICATION

The student body is classified according to the number of credits earned.

**Freshmen:** students who have earned 0-23 semester hours.

**Sophomores:** students who have earned 24-59 semester hours.

**Juniors:** students who have earned 60-89 semester hours.

**Seniors:** students who have earned 90 or more semester hours.

**Postbaccalaureate:** students who are pursuing a program of study beyond the bachelor's degree.

**Full-time students** are enrolled for 12 or more semester hours.

**Part-time students** are enrolled for fewer than 12 semester hours.

In order to remain on track to graduate in four years, students must complete an average of at least 15 credits per semester.

## COURSE NUMBERS

001-099	Non-degree credit, pre-college level courses including remedial skills courses do not count toward graduation. (ASC 066, ASC 067, ASC 068, ASC 069, ASC 087, ASC 088, ASC 091, ASC 092, and ASC 093).
100-199	Taught at the freshman level, or the first course in a sequence.
200-299	Taught at the sophomore level.
300-499	Taught at the junior and senior level, but open to sophomores with permission from the instructor.
501 or higher	Graduate level course.
2000	Designation as a professional non-degree course that cannot be applied to an undergraduate or graduate degree.

### Special course numbers include:

X90	Education methods courses within disciplines
X91	Discipline Seminar
X92	Experimental Course
X93	Peer Tutoring
X94	Independent Study, Undergraduate Research
X95	Service Learning
X96	Study Tours
X97	Internship, Externship, Cooperative Education
X98	Pre-professional Experience, Clinical, and Student Teaching
X99	Special Topics, Readings

## CROSS-LISTED COURSES

Cross-listed courses found either in the catalog or in the course schedules are courses that have two prefixes but are the same course, i.e., HIST 345 – U.S. Presidency (3cr), POLS 345 – U.S. Presidency (3cr).

These courses can be taken for credit within only one of the prefix disciplines; the example course above can be taken for either History credit or Political Science credit, but not for credit in both disciplines taken simultaneously or separately. Cross-listed courses cannot be repeated in another semester with a registration in the opposite prefix from the one the student was previously granted credit in.

## GRADE POINT SYSTEM

University grades are reported in letter symbols, each carrying a value in honor points per credit hour. The grade point average (GPA) is the average of the student's honor points on a 4.00 point scale. The system is as follows:

Grade	Significance	Per Credit Hour
A	Superior	4
B	Above Average	3
C	Average	2
D	Below Average	1
F	Failure	0
W	Withdraw	0
I	Incomplete	0
S	Satisfactory	0
U	Unsatisfactory	0
AU	Audit	0

Although grading is at the discretion of an instructor, typically a letter grade for a course would equate to following percentage of content mastery:

A = or > 90%

B = or > 80%

C = or > 70%

D = or > 60%

F = Below 60%

Some programs may use a more rigorous standard than stated above.

## CLASS PREREQUISITES

The student information system verifies that students have taken prerequisites as stated in the catalog before allowing a student to register for a course. However, in the event a faculty member determines that adequate prerequisites have not been met, a student may be asked to drop the course until the prerequisites have been met. Faculty may allow a student to be registered in a course for which a student has not met the required prerequisite within the SBHE and Dickinson State University policy guidelines.

If approval is granted, the student shall submit a *Prerequisite Approval Form* to the Office of Academic Records. Students will be notified via email regarding enrollment status.

## COURSE CONFLICT

Course conflicts arise when a student enrolls in two classes that meet on identical days at identical times. If a conflict exists, the student must resolve this conflict by visiting with both instructors and agree on a solution. To enroll in conflicting courses, see the Office of Academic Records. If no solution can be agreed to by all parties involved, the student must drop one of the classes.

## WAITLISTING/CLOSED CLASSES

Students may have the option to waitlist courses that are currently full. The waitlist feature allows students to indicate an interest in a course that is presently full. When students are enrolling in courses in Campus Connection, they may check "ok to waitlist" if a course is full. The course will appear on schedules as "waiting" which indicates potential for enrollment, not actual enrollment. If a seat becomes available, the first eligible student on the waitlist will automatically be enrolled in the course provided that they do not have a time conflict, enrollment hold, delinquent account and are not already in the same class but at a different time. Students will be notified by email regarding course additions. Students may be waitlisted in multiple courses.

The waitlist option will be available on Campus Connection through the day prior to the first day of class each semester. Students will be enrolled if a seat becomes available through the last day to add a class. As of the first day of the semester, a student may request the instructor's permission to be added to a closed class if no students are currently on the waitlist for the course. If the instructor and/or department chair approves the request, the instructor will complete a *Closed Class Form*, which department personnel will route to the Office of Academic Records.

## ELECTIVE SATISFACTORY-UNSATISFACTORY OPTION

This plan is designed to encourage students to broaden their education by taking courses outside their primary areas. Students may take courses with grades of "S" (satisfactory) and "U" (unsatisfactory), rather than the traditional grades of "A" through "F" subject to the following guidelines:

1. A grade of "S" grants credit toward graduation but does not affect the student's GPA. A grade of "U" neither grants credit nor affects the GPA.
2. Freshmen may not elect to take courses on an "Elective S-U" basis.
3. No more than 15 semester hours of "Elective S-U" grades will count toward the bachelor's degree. No more than 7 semester hours will count toward the associate degree.
4. After the normal period for adding a course the student may not change to, or from, an "Elective S-U" choice.

5. Only courses outside the major, minor, professional education, general education, or other program requirements may be taken for an "Elective S-U" grade. Students choosing to major or minor in a field in which they have completed a course on an "S-U" basis may request the department to accept the "S" grade, but the department may require that the grade be changed to a regular letter grade, or the student may take a substitute course.
6. Some courses in a student's major or minor may be offered only on an "S-U" basis. Also, Service Learning courses and Competency Based Credit-Earning are graded "S-U." These courses are not counted toward the "Elective S-U" 15 hour limit. Departments wishing to offer "S-U" courses must receive prior approval from the Curriculum Council.
7. In "S-U" courses, work of "C" level or better is required to receive an "S" grade.

For further information, contact the Office of Academic Records.

### AUDIT OF ACADEMIC CLASSES

1. Students who wish to audit courses at Dickinson State University may do so with the permission of the class instructor.
2. A student may not request such permission until after the pre-registration period as currently enrolled students have priority.
3. Auditor will participate in class activities as determined by the instructor.
4. No academic credit will be granted. Course registration will appear on the student's transcript upon enrollment. Audited courses will be recorded on the official transcript with a grade of an "AU" when final grades are posted.
5. Student will pay 50% of tuition plus all applicable fees.
6. All institutional course drop/withdrawal deadlines apply to audit courses.
7. Student may not change the grading basis of the class after the last day to add a class

#### Enrollment Procedure:

1. Registration for an audited course cannot be completed on Campus Connection. Student will return a *Course Audit Form* which has been signed by the course instructor to the Office of Academic Records no later than the last day to add a class.
2. Office of Academic Records staff will enroll student in course.

### COURSE REPEAT POLICY

Students may repeat courses at Dickinson State University to improve grades or to update knowledge of the course content. Students who are receiving financial aid must consider the impact of repeating a class(es) on their eligibility for financial aid. Students should seek academic advisement before deciding to repeat a course.

#### Repeating a Course:

1. The initial grade and the new grade for repeated courses will appear on the student's official and unofficial transcript.
2. The grade earned during the last enrollment will be used in calculating grade point averages and degree requirements, even if that grade is lower.
3. The initial grade will continue to be calculated in grade point average and in degree requirements, if the repeated course is dropped or withdrawn.
4. Students who have earned a degree may re-enroll in a course but the repeat policy will not apply. Both courses will be included in calculation of GPA and total credits.
5. The repeat policy is applicable to transfer credit if the transfer course is deemed equivalent to a Dickinson State University course.
6. Courses that Dickinson State University has inactivated or discontinued may not be repeated.
7. Repeats are not calculated on pre-college courses.
8. Repeats of a course occur only if subsequent enrollment is on the same basis of grading as the first. (A course initially taken for a letter grade must be repeated for a letter grade).
9. Repeating a course may improve the student's academic standing. However, prior academic standing, as it has been recorded on the official and unofficial transcripts, will remain unchanged.
10. The Department of Education has published regulations which impact students who repeat courses. These regulations may impact financial aid eligibility and awards, including Federal Pell Grant, Federal SEOG, Direct Loans, Federal Work Study, TEACH Grants, and Direct Loans.

The Department of Education regulations prevent the Office of Financial Aid from paying for a course that has been passed and repeated more than one time. In order for a repeated course to be counted towards enrollment status for financial aid purposes, students may only repeat a previously passed course once (a total of two attempts). If a student enrolls in a previously repeated and passed course for a third time, the course will not count towards enrollment for financial aid purposes. Unless, however, a specific course allows multiple enrollment then the initial course will not be recorded as a repeat (ex. THEA 200) on the student transcript or count for financial aid purposes. Further repeats may or may not count due to the nature of the course. Please contact the Office of Academic Records or academic advisor for clarification.

Examples of repeated courses:

- Repeated courses may be included if the student received an unsatisfactory or failing grade. There is no limit on the number of attempts allowable if the student does not receive a passing grade. Grades of A, B, C, D, or S are considered passing grades.
- Student is enrolled in 15 credit hours in which three credits are repeating a previously passed course. Because the student is enrolled in a minimum of 12 credits which are not repeats, the student's financial aid eligibility is not impacted by the repeat.
- Student receives a D in a course and decides to repeat the course to improve his/her GPA. The student may repeat this passed course one time, but if the student wants to repeat it a second time, the second repeat would not count for financial aid eligibility. For example, a student enrolls in 12 credits of which three of those credits are a second time repeat. As a result, only nine credits will count for financial aid eligibility.

## ADD/DROP POLICY

### Adding a Course

Students may add a course(s) without obtaining the instructor's written permission by accessing the Campus Connection portal in the Dickinson State University web page through the 10th calendar day (Fall Semester) or the 11th calendar day (Spring Semester). The addition of other classes after these dates will not be permitted without the expressed written consent of the instructor(s) and signature of college dean.

### Dropping a Course

Students may drop a course(s) without obtaining the instructor's written permission through the 12th week of the semester by accessing the Campus Connection portal in the Dickinson State University web page. No drops will be allowed after the 12th week of the semester according to SBHE Policy 406.1.

### Drop/Withdrawal Notations

All individually dropped courses or a total withdrawal from the university will be noted on the student's academic record (transcript) with W's appearing in the grade column for individually dropped courses. This notation will be detailed on the academic transcript beginning on the 10th calendar day (Fall Semester) or the 11th calendar day (Spring Semester). A withdrawal statement will appear on the student transcript on the first day of the semester for total withdrawal from the university.

## WITHDRAWAL FROM THE UNIVERSITY

A student who finds it necessary to cancel or withdraw from the University must complete a *Cancellation/Withdrawal Form* which can be located on the DSU website. A student may withdraw from the university through the 12th week of the semester.

Withdrawals (with the exception of medical or family emergency) will not be allowed after the 12th week of the semester according to SBHE policy 406.1. *Application for Late Withdrawal Form* is available on the DSU website

and requires additional documentation. *Application for Late Withdrawal Form* must also be accompanied by the *Cancellation/Withdrawal Form*.

If a student does not complete the withdrawal process as described above, the student will receive the grade of "F" in all courses.

A schedule of tuition refunds is maintained by the Office of Business Affairs. That schedule will be followed unless extenuating circumstances are directed by the Vice President for Finance and Administration or his/her designee.

## ADMINISTRATIVE WITHDRAWAL FROM THE UNIVERSITY

A student may be administratively withdrawn from the University at any time either during the current enrollment session or ex post facto for prior enrollment sessions through the Provost/Vice President for Academic Affairs in coordination with the Director of Academic Records if circumstances warrant such action. Either a student, instructor, or administrator can request such a withdrawal. If the withdrawal is approved, the Provost/Vice President for Academic Affairs will submit a written document to this effect to the Office of Academic Records. The offices of Financial Aid, Student Services, and Business Affairs will be notified of such action so that any financial impact to the student can be calculated and the student duly notified of such.

If a student is administratively withdrawn during a session of current enrollment, the instructor(s) of record for the student's courses and the student's advisor will be notified of the withdrawal. An administrative withdrawal from the university will create "W's" for all courses enrolled in the entire semester regardless of course completion or course grades assigned.

Because of potential difficulties in contacting instructors who may no longer be employed by the University with respect of verification of the student's attendance record in any particular course, **no administrative withdrawals will be granted after more than one calendar year has passed, with respect to the semester(s) in question.** Exceptions to the one-year limitation on administrative withdrawal from the University may be granted because of documented extenuating personal circumstances after being considered by the Director of Academic Records and Provost/Vice President for Academic Affairs.

Administrative withdrawal from the University does not replace the Academic Forgiveness policy as found in the Dickinson State University catalog.

## ADMINISTRATIVE WITHDRAWAL FROM COURSES

Under special or extenuating circumstances, a student may be administratively withdrawn from courses at any time, either during the current enrollment, or after the course has been completed and grade assigned through the Provost/Vice President for Academic Affairs in coordination with the Director of Academic Records if circumstances warrant such action. Either a student, instructor, or administrator can request such a withdrawal in writing on the appropriate form.



Students may not single out specific courses that receive a failing grade for withdrawal unless the course was never attended or mistakenly registered for. If the withdrawal is approved, the Provost/Vice President for Academic Affairs will submit a written document to this effect to the Office of Academic Records.

If a student is administratively withdrawn during a session of current enrollment, the instructor of record and advisor for a course from which a student has been administratively withdrawn will be notified that the course withdrawal has been recorded and informed of the reason for the withdrawal.

Because of potential difficulties in contacting instructors who may no longer be employed by the University with respect to the verification of the student's attendance record in any particular course, **no administrative withdrawal will be granted after more than one calendar year has passed.** Exceptions to the one-year limitation and single course for administrative course withdrawal may be granted because of documented extenuating personal circumstances after being considered by the Director of Academic Records and Provost/Vice President for Academic Affairs.

An administrative course withdrawal will create "W's" for the course/s being withdrawn. All remaining course grades completed during the semester of withdrawal will remain on the transcript, i.e., courses completed during the eight-week block sessions.

## ACADEMIC FORGIVENESS

A former student who has not been in attendance at DSU for four or more years, but who is presently enrolled, may request to exclude from grade-point-average calculations all grades earned in selected full terms completed at DSU prior to the four-year interval.

Courses and grades for the semester(s) selected will remain on the student's academic record as attempted, but credits, honor points, and grades will be excluded from grade point average calculations. Academic Forgiveness will be applied to all Dickinson State University courses within the requested semester(s), which includes all passing and failing grades. Academic Forgiveness may affect eligibility of federal financial aid. The prior academic standing of a student will not change as a result of Academic Forgiveness. Courses where grades have been excluded cannot be used to satisfy any academic requirements.

A student who has completed a degree (bachelor, associate, certificate or a certificate of completion) at Dickinson State University will not qualify for academic forgiveness.

A student may exercise this option only once by submitting an *Academic Forgiveness Request Form* to the Office of Academic Records. Students granted academic forgiveness will have a statement printed on the official transcript indicating academic forgiveness for applicable terms.

## INCOMPLETE GRADE POLICY

An incomplete grade may be requested by a student who has attended at least 60% of the course, has done satisfactory work ("C" or better) during the term, and whose work is incomplete for reasons found to be satisfactory to the instructor. An incomplete grade, "I", may be awarded as an end of term grade, at the discretion of the instructor.

The instructor must complete a *Course Completion Agreement* with the student. The *Course Completion Agreement* is between the student and the instructor. The *Agreement* identifies the work to be completed, the date by which the work must be completed. Both the student and the instructor must sign the *Agreement*. Copies of *Agreement* are to be retained by the instructor and student, the original must be sent of the Office of Academic Records.

Upon the student's timely satisfaction of the *Course Completion Agreement*, the instructor will complete a *Change of Grade Form* and submit it to the Office of Academic Records.

All coursework must be completed prior to the last class day of the following academic term for 16-week courses and at the end of the following eight-week session for eight-week courses. If a *Change of Grade Form* is not received by these deadlines, the grade of "I" will administratively be changed to "F".

Students should **NOT** re-register for a course in which an incomplete grade is pending.

## CHANGE OF FINAL GRADE

In addition to incompletes, there are certain cases where a change of final grade is permitted. Within the 12-week period into the next term, the instructor has the option to change the grade within his/her professional judgment. After the 12-week period, the instructor must obtain the approval of the college dean before the change of grade may be enacted. Once graduated with a baccalaureate degree, Dickinson State University will not permit alteration to the course titles, grades, or GPA calculation of a student's academic transcript for any reason, unless incorrect information was initially recorded as a result of misinformation received by the Director of Academic Records from a Dickinson State University faculty member or administrator.

## GRADE APPEALS

Occasions arise when a student is convinced that a final course grade is in error. The student may make an informal and formal appeal of the grading decision through the Academic Appeals Process as outlined on the Grade Appeal Procedure within the Student Code of Conduct found on the DSU website.

## COMMUNICATION PROFICIENCY POLICY AND COMPLAINT PROCEDURE

In accordance with State Board of Higher Education Policy 609 (Communication Proficiency, Dickinson State University has a policy in its Dickinson State University Faculty Handbook (section II.A.3., Communications Proficiency Policy) which provides for the screening of faculty members to determine their proficiency in both written and verbal English at the time of initial employment. This policy is to ensure that students will have instructors whom they can understand both verbally and in writing.

The Dickinson State University policy also provides a procedure for students to register complaints if they cannot understand the English used by an instructor in classroom instruction. The Dickinson State University Faculty Handbook outlines in section II.A.3.4 the following procedure.

Students (and faculty) affected by the language proficiency policy may register complaints related to the provisions of this policy (the inability to understand the English used to communicate by the instructor) with the academic department/school chair. Formal complaints requesting action will be specified in writing. Informal complaints can be discussed verbally with the department/school chair.

The departmental/school chairs in consultation with the Dean will recommend whatever action is deemed necessary to address the complaint (both formal and informal) and the Dean will implement recommended action.

If the plan of action and/or development program regarding communications (language) proficiency does not produce the desired results in the estimation of students and/or personnel involved in the initial complaint within a reasonable period of time, an additional appeal may be made directly to the Provost/Vice President for Academic Affairs/Provost for further action.

Students may discuss their complaint regarding communication proficiency with the Vice President for Student Affairs and secure help with this issue from this office before approaching a department chair with their concern.

## EVALUATION OF TRANSFER CREDIT POLICY

### Evaluation of Transfer Credit from U.S. Institutions

Dickinson State University accepts transfer credit from regionally accredited institutions of postsecondary education. Before transfer credits are evaluated for specific course equivalencies or program requirements, the credits must be accepted by the Office of Academic Records according to university policies and procedures. These requirements apply to new Dickinson State University students as well as returning students who have subsequently attended post-secondary institutions since their initial enrollment at Dickinson State University.

1. College-level coursework from regionally accredited colleges or universities (or equivalent for international institutions) is eligible for acceptance in transfer.

2. Upon acceptance to Dickinson State University, the Office of Academic Records will perform an evaluation of all transfer credit for degree-seeking students according to institutional and North Dakota University System guidelines including Common Course Numbering and General Education Transfer Agreement. Transfer courses are reviewed to determine if credits are either accepted as a course equivalent to a course or applied toward general education or program requirements. College-level credits that do not have a direct course equivalent or do not meet a specific program requirement will be accepted as general electives and count toward total credits required for graduation.
3. Students who wish to challenge the rejection of credit for course equivalency, general education, or program credit may request an additional review by the Office of Academic Records or the appropriate department chair. Students requesting an additional review are responsible for providing supporting evidence.
4. Students accepted to Dickinson State University two weeks or less prior to the start of the semester will not be guaranteed an official transcript evaluation prior to registration.
5. Courses will be accepted in transfer to replace grades and credits earned at Dickinson State University if the course transferred is deemed equivalent to the Dickinson State University course. Therefore, if a course is completed at and subsequently repeated at another institution, the credit for both courses will be posted on the Dickinson State University transcript, however, only the most recent course will be calculated into cumulative credits and grade point average.
6. College-level credit attempted will be posted as transfer credit by Dickinson State University. The following exceptions apply to this rule, and include, but may not be limited to the following:
  - Developmental courses by definition of the transferring institution or equivalent to a developmental course at Dickinson State University. Developmental courses may fulfill prerequisite requirements.
  - Continuing education courses
  - Institution-based credit by standardized exams.
  - Credit granted for prior learning assessment, armed service credit or evaluated non-college coursework credit.
  - Graduate level courses by definition of the transferring institution legend may be transferred to satisfy undergraduate requirements. A maximum of nine graduate credits can be utilized towards the completion of undergraduate requirements unless otherwise stated in Memorandum of Understanding with provider institution.

7. Institutional policy requires that a minimum of 32 credits toward a baccalaureate degree be earned at the 300-400 level. Therefore, while 200-level courses transferred from another institution may satisfy a specific upper-level program requirement, those courses will not be counted toward the 32-credit upper-division degree requirement.
8. Transfer courses and grades appear on the official and unofficial Dickinson State University transcript and are used in calculation of cumulative grade point average. In addition, transfer coursework is detailed on the academic advisement report on Campus Connection.
9. Quarter-system transfer credits are converted to semester credits, when applicable.

### Evaluation of International Transfer Credit

According to ND State Board of Higher Education policy 402.9, international transcripts must be submitted to an approved evaluation service. Such an evaluation is the sole responsibility of the student. International evaluations must be submitted according to the guidelines listed below. The guidelines for the evaluation of transfer credit listed above also apply to international transfer credit.

1. In most circumstances, an independent **course by course** evaluation from a NACES approved agency is also required. NACES members are listed at [www.naces.org/members.htm](http://www.naces.org/members.htm).
2. Official transcript(s) issued in English must be submitted to Dickinson State University in addition to the evaluation unless the evaluation service provides certification of student documents and sends copies of transcript(s) to Dickinson State University.
3. Current students who have completed coursework at an institution outside the United States also must submit transcripts to an approved evaluation service for a **course by course evaluation**.

Two GPA's will be indicated on a Dickinson State University transcript:

1. Cumulative GPA: This GPA will reflect all of the coursework which has been accepted in transfer and all work that the student has completed while enrolled at Dickinson State University.
2. Term GPA: This GPA will reflect the grade point average, which has been earned in any given academic semester.

### SUBSTITUTION – WAIVER POLICY

Students who transfer courses to Dickinson State University (DSU) that might meet program requirements of a particular major, minor, or concentration should have the courses evaluated by the appropriate department after transfer coursework has been posted to the DSU transcript. Students should be able to provide information on each course involved, such as a detailed course description or a course syllabus.

When a transfer course is found to be equivalent to a particular DSU course, a *Course Equivalency Form* should be submitted to the Office of Academic Records. A *Course Equivalency Form* allows any future transfers of the same course from the same institution to automatically be accepted as meeting the requirement of the particular DSU course (valid for five years). In cases where the transfer course is not similar enough for equivalency, but is deemed appropriate as a substitution, a *Course Substitution – Waiver Form* should be submitted to the Office of Academic Records. A *Course Substitution – Waiver Form* only applies to that particular case for that student and does not meet prerequisite requirements.

There may be times when a student cannot take a particular DSU course required for a program because of time conflicts or changes in a program's frequency of offering. In such cases, the program may allow another course to substitute for the required course. However, the course used to substitute for the required course cannot be another required course; in other words, one course in a program cannot be used to fulfill two required courses in that program. The substitute course must be one that is not already required by the program. Poor planning on the part of the student or failure to enroll in a required course does not constitute sufficient grounds for course substitutions or waivers.

Permission may be granted to substitute or waive courses for General Education, majors or minors, or other institutional requirements upon approval of the student's advisor, department chair, Director of Academic Records and Provost/Vice President for Academic Affairs when applicable.

Students and faculty should be familiar with this policy. Students shall work with their academic advisor, anticipated transfer institutions, and employers to determine any negative consequences of the substitution. Deviation from the course of study as outlined in the course catalog will be approved through the process listed below.

#### Conditions for course substitution:

1. Student shall be currently active in Campus Connection in the program of study to which the substitution applies.
2. Course substitution request should be submitted after the student has been matriculated and the course being substituted has been posted on the DSU transcript.
3. Course substituted shall compare adequately to the content and outcomes of the required course or satisfy program outcomes that override course outcomes.
4. Substituted courses shall be within one academic level of the required course (200 level substituted for a 300 level course)
5. A course syllabus and/or course description and current DSU unofficial transcript must be attached to the request.

**Approval Process:**

**General Education Course Substitution:** The student shall have the approval of his/her advisor, department chair of the student's major, department chair of the course, and Director of Academic Records.

**Major/Minor Course Substitution:** The student shall have the approval of his/her advisor, department chair of the student's major, and Director of Academic Records.

**Other Institutional Requirements:** Requests to waive other graduation requirements (not course related) require completion of a *Waiver of Graduation Requirement Form*. The student shall have approval of the department chair of the student's major, and Director of Academic Records and Provost/Vice President for Academic Affairs.

Notification of approval or denial of the substitution will be sent to the appropriate department chair. Approved substitutions/waivers will be applied to the student's Academic Advisement Report on Campus Connection which will be identified as a course exception and include the date substitution/waiver was approved.

NOTE: Substitution forms are not necessary for transfer courses appearing on the student's unofficial transcript as equivalent to the DSU course.

For further information, contact the Office of Academic Records, May Hall, room 111.

**TRANSFERS OF ASSOCIATE IN ARTS AND ASSOCIATE IN SCIENCE DEGREES**

If a student transfers to Dickinson State University from a regionally accredited college and has earned an Associate in Arts degree and has completed six credit hours of freshman composition courses and also three credit hours in a public speaking course, the student will be considered complete with respect to his/her general education requirements. Similarly, if a student transfers to Dickinson State University from a North Dakota University System institution and has earned an Associate in Science degree and has completed six credit hours of freshman composition courses and also three credit hours in a public speaking course, the student will be considered complete with respect to his/her general education requirements. However, some Dickinson State University majors require very specific courses as part of their general education program. If those specific courses were not completed as part of the associate's degree, those specific courses would need to be completed at Dickinson State University.

**ACADEMIC DISCIPLINARY ACTION****Academic Misconduct**

Dickinson State University does not sanction or tolerate academic misconduct by students. Academic misconduct such as cheating on exams, plagiarism, etc. is defined in the Dickinson State University Student Code of Conduct under Article III. 3.4 - Academic Misconduct.

When the instructor has substantial evidence that such an academic misconduct has occurred, the instructor can determine the degree of penalty within his/her jurisdiction with regard to the course in which the misconduct occurred. Such penalties may range from a verbal warning to failure of the course. Proven gross academic misconduct by students may result in disciplinary actions that go beyond academic sanctions within the course. These actions may be severe such as expulsion from an academic program, and in extreme cases, expulsion from the University.

If the student does not agree with the instructor's allegation of academic misconduct and subsequent penalty, he/she may make an informal and formal appeal through the Academic Appeals Process as outlined in the Student Code of Conduct.

**ACADEMIC PROBATION AND SUSPENSION**

**Probation:** Students who do not maintain a minimum cumulative GPA) of 2.00 will be placed on probation and will remain in probationary status until a 2.00 (or higher) cumulative GPA is achieved. Student must have attempted a minimum of 12 credit hours within the semester.

**Suspension:** Students who have attempted at least 24 semester hours of credit and do not maintain a minimum cumulative GPA of 1.60, may be suspended from Dickinson State University for a minimum of one regular term (Fall or Spring semester). Students receiving all F's for a term may also be suspended. Any student who is suspended following the spring semester will not be permitted to enroll for the following summer session. After being suspended, a student may submit a written appeal to the Provost/Vice President for Academic Affairs.

After a student has completed his/her suspension, or successfully appealed, he/she may re-enroll. However, if the student does not earn a minimum term GPA of 2.00 for his/her first term following the suspension, the student may be placed in suspension status again.

**Transfer Students:** Transfer students entering Dickinson State University with a GPA below the listed minimum standards will be placed on academic probation at the time of enrollment. The institutional probation and/or suspension policy will apply at the end of the transfer student's first term (excluding summer session). For further information, contact the Office of Academic Records.

**TESTING/PLACEMENT**

As per SBHE Policy 402.1.2 the following placement scores are required for admission to Math 103 – College Algebra or higher and ENGL 110 – College Composition I. For placements based on test scores please see the charts below.

**Math Composition Placement**

ACT Math	SAT (NEW) MATH (after March 5, 2016)	ACCUPLACER MATH QAS/AAF	ACCUPLACER Elementary Algebra/College Level Math	ASPIRE Math	ALEKS Math PPL	EdReady (NROC) Math	Pearson (CLEM, CREAM) Math	PLAN Math	Smarter Balance d Grade 11~12 Math	MAA Maplesoft (Algebra)	Suggested Placement
0-15	240-420	200-218 on QAS Exam	0~40								ASC 091
16-18	430-500	219-237 on QAS Exam	41~56								ASC 092
19-20	510-520	238-254 on QAS Exam	57~75								ASC 093
21-22 or higher	530	255 or higher on QAS Exam OR 237-246 on AAF Exam	76 or higher Elementary Algebra OR 50 College Level Math Exam	431 or above	46	75	70%	19 or above	3	12	MATH 103, MATH 104, MATH 110, or MATH 127
23-24	540-570		76 or higher AND 65~70 College Level Math Exam								MATH 105 or MATH 146
25-26	580-620	257-266 on AAF Exam	76 or higher AND 70~89 College Level Math Exam	440 or higher							MATH 107
27 and above	630 or higher		76 or higher AND 90 or higher College Level Math Exam								MATH 165

**English Composition Placement**

ACT English	SAT (NEW) Evidence-Based Reading and Writing (after September 20, 2018)	ACCUPLACER Writeplacer	ACCUPLACER Nex Gen	ASPIRE English	EdReady (NROC) English	Pearson (CLEM, CREAM) English	PLAN English	Smarter Balanced Grade 11/12 English ELA	Suggested Placement
0~13		0~3	236 and below						ASC 087 (Fall only)
14-17		4	237-255						ASC 088 & ENGL 110
18 and above	490	5~8	256	426	TBD	70%	15	3	ENGL 110

## English Composition and Mathematics Placement Test

Students scoring below 21 on the ACT Mathematics sub-test will not be allowed to register for MATH 103 or higher. Students will be placed in ASC 091, ASC 092 or ASC 093 based on their ACT Mathematics sub-test score. Students are strongly encouraged to take the ACCUPLACER Placement test for consideration of placement in a higher math course if they choose. Test arrangements can be made through the Dickinson State University Student Opportunity & Resource Center or by calling (701) 483-2029.

Students scoring below 18 on the ACT English sub-test will not be allowed to register for ENGL 110. Students will be placed in ASC 087 or ENGL 110/ASC 088 based on their ACT English sub-test score or placement test score. Test arrangements can be made through the Dickinson State University Student Opportunity & Resource Center or by calling (701) 483-2029.

Consistent with SBHE Policy 402.1.1 the following students are exempt from this procedure:

1. Students age 25 or older on the first day of class.
2. Students from foreign countries other than Canada.
3. Students transferring 24 or more semester credits accepted into a degree program at the receiving campus.
4. Campuses may require additional placement qualifications of these subgroups.

Students who successfully complete a required remedial course or final course in a remedial sequence with a grade of "C" or higher that fulfills a prerequisite for MATH 103 or ENGL 110 will be deemed to have met the prerequisite to enroll in MATH 103 or ENGL 110.

## English and Math International Student Placement

As per SBHE Policy 402.9, international students seeking entry into MATH 103 – College Algebra or higher and ENGL 110 - College Composition I must demonstrate Math and English Language competencies indicative of their potential to succeed in the courses.

An applicant whose native language is not English is required to complete satisfactorily an English proficiency exam (TOEFL, IELTS, SAT, ACT, Accuplacer, etc.). English proficiency may be demonstrated by: (IBT) TOEFL must equal 71 or higher (School code – 6477); IELTS must equal 6.0 or higher; ACT Composite score of 18 and English sub test of 18, minimum SAT writing and language score of 25 and minimum SAT total score of 950, other approved language proficiency examination as approved by the SBHE in accordance with policy 402.9 and NDUS procedure 402.9.

## Financial Aid

Remedial classes count toward financial aid up to 30 credits. If the student is admitted into an eligible program and takes remedial coursework within that program, they can be considered a regular student. The remedial courses must be at least at the high school level.

## Retest Policy and Proctoring Fee

DSU students can retake placement tests once within a seven week period.

Placement test for DSU Student: First exam - no charge. Retest - \$15.00 per exam up to the first hour and \$5.00 for each additional hour. Placement test for Non-DSU Student: \$15.00 per exam up to the first hour and \$5.00 for each additional hour. Please be aware that the proctor policy and/or fees may be subject to change without notice.

## College Level Examination Program (CLEP) Advanced Placement Examinations (AP)

Dickinson State University is a national testing center for students wishing to take CLEP examinations. CLEP Examinations are computerized and administered as needed. An examination fee is paid directly to CLEP and there may be an administrative fee required for the computer-based testing. For questions regarding fees, or to make an appointment for a CLEP Examination please contact the Student Opportunity & Resource Center or by calling (701) 483-2029.

To obtain the NDUS matrix of acceptable CLEP tests, please go to: <https://ndus.edu/wp-content/uploads/sites/6/2018/09/Credit-by-exam.pdf>

## Final Examination Policy

Where applicable, a final examination will be held at the end of most courses according to the published examination schedule. If a final exam is not given, faculty will meet with their classes at the appropriate exam time for a term-end instructional activity, e.g., discussion course projects or presentation of a seminar paper. Faculty cannot arbitrarily delete the final exam period from their course schedules for convenience or expediency because the final period is counted as part of the total instructional days required by the State Board of Higher Education. Any such cancellation of final exams because of personal emergency, etc., must be approved in advance by the Provost/Vice President for Academic Affairs. Change in final exam times from the published schedule requires the approval of the college dean. Any student who would be disadvantaged by such a change should report this in advance to his/her instructor, who will ensure that satisfactory alternate arrangements will be made. Unresolved test schedule conflicts may be appealed to the college dean.

Students having more than three exams on a single day can request that one of the course faculty move the exam to another day or make other arrangements to take the exam. The Department Chair will be informed of the situation. Any unresolved conflicts may be appealed to the college dean.

Students absent from a final examination without a valid excuse will normally receive an “F” for the course. If a valid excuse is accepted by the instructor, the policies on incompletes or change of grade will apply.

## Graduating Students Taking Final Exams

### (Bachelor and Associate Degrees)

Graduating students will attend class up to commencement day.

Diplomas will not be presented at commencement. The diplomas will be mailed out three to four weeks after commencement.

## GRADUATION REQUIREMENTS: NOTICE TO STUDENTS

### Transcript Posting of Official Graduation Dates

The official graduation date posted on transcripts will reflect the term and date when the Office of Academic Records certifies that all graduation requirements have been met. In the case of incomplete courses that are needed for graduation, and completed after the term of enrollment, the courses are posted for the term of enrollment and the graduation date is posted for the graduation date (Fall, Spring, Summer) closest to the actual completion of all degree requirements and certification by the Director of Academic Records.

Students who graduate with a baccalaureate degree, associate degree, or awarded a certificate, must have a minimum cumulative GPA of 2.00. Some programs require a minimum GPA that is higher than 2.00.

While the University provides students access to information and guidance, it is each individual student's responsibility to carefully review the specific degree requirements of his/her academic program and the general graduation requirements of the University indicated in this document and to take advantage of that assistance and guidance on a frequent basis, and thus, ultimately, to be responsible for completing the requirements needed to fulfill their degree requirements.

### Transcripted Academic Data “Frozen” at the Time of Degree Completion

Once graduated with a baccalaureate degree, Dickinson State University will not permit alteration to the course titles, grades, or GPA calculation of a student's academic transcript for any reason, unless incorrect information was initially recorded as a result of misinformation received by the Director of Academic Records from a Dickinson State University faculty member or administrator.

## Limits of Hours Acceptable Toward Graduation

Dickinson State University places limits on certain types of courses that may be used to fulfill graduation requirements for the Bachelor's degree.

1. Limit of 15 semester hours of Elective Satisfactory/Unsatisfactory (S/U) Grading. **NOTE:** S/U credits earned as a result of taking classes where a letter grade was not an option **WILL NOT** count towards the 15 credit maximum.
2. Limit of 30 semester hours of Competency Based Credit-Earning Options.
3. Limit of 10 semester hours of Armed Service free elective credit.
4. Limit of 12 semester hours of Service Learning credit.
5. Limit of 12 semester hours of internship
6. Limit of eight credits of peer tutoring

(**NOTE:** All credit limitations that apply to the Bachelor's degree shall apply to the Associate's degree at one-half the credit hours.)

## GENERAL GRADUATION REQUIREMENTS

### Bachelor's Degree

**NOTE:** Candidates for graduation (Bachelor's Degree only) must review Dickinson State University's assessment requirements.

1. The student must earn a minimum of 120 semester hours of credit including 30 semester hours from Dickinson State University.
2. The student must complete the Dickinson State University 39-43 semester hours of General Education requirements for a baccalaureate degree.
3. The student must earn a major of at least 32 semester hours of credit including 18 semester hours from Dickinson State University.
4. The student must earn a minor if the student is graduating with a Bachelor of Science or Bachelor of Arts degree unless the major requires 56 or more credits. The minor must be a minimum of 21 semester hours, including 12 semester hours from Dickinson State University. A student cannot minor within their major field. A minor is not required if the student graduates with a double major.
5. Bachelor of Arts graduates complete a minimum of eight credit hours of foreign language study. The eight credit hours can be in one language or in multiple languages.
6. The student must have a cumulative GPA of 2.0 as well as a GPA of 2.0 in the major field of study.

**NOTE:** Some programs, such as education and nursing, accounting, and business administration require a higher GPA.

7. The student must earn a minimum of 32 semester hours of upper level credit courses (300-400).

**NOTE:** Lower level courses (100-200) which have been taken at another college (two-year or four-year) and for which credit was granted to meet a 300-400 major or minor requirement will not count towards meeting this upper level degree requirement.

8. Submitting a formal application for graduation at the Office of Academic Records is required in order to be eligible to receive a Dickinson State University diploma. Students may only submit an application for graduation once they have a minimum of 80 semester hours of academic credit (Includes in progress credit) .
9. Should a student complete the academic requirements of a degree program during one semester but not make formal application for graduation until a subsequent semester, the graduation date printed on the transcript will reflect the date on which the academic requirements were met.
10. Participation in assessment activities as outlined by the student's major program(s) is required for graduation.

## Bachelor of University Studies

***Degree available in Bismarck, Williston, DSUlive, and online***

### Program Description

The Bachelor of University Studies (BUS) program affords students the opportunity to plan their own curriculum. With the aid of a 3-person faculty committee, students can identify two to four areas of study and choose appropriate courses within those areas, which seem most valuable and interesting to them. Students should note that the BUS degree does not qualify the graduate for teacher certification.

### Requirements

1. Meet the criteria for graduation, including the general education requirements expected in other degree programs. Note: The major for BUS degree recipients will be posted as University Studies. A specific minor will be posted on the academic transcript if all of the academic requirements for the minor are met (Minors are optional). Teaching minors cannot be attached to the BUS degree.
2. Complete a minimum of 120 semester hours;
3. Earn at least 30 semester hours from Dickinson State University; and
4. Earn at least 32 semester hours in upper-division (300-400) courses.
5. Satisfactory completion of UNIV 250;
6. Complete credit hour requirements for selected area(s) of study and/or minor(s)\*; and

7. Complete a minimum of a two credit required capstone course as deemed appropriate by advisor and/or committee.
8. Complete WAC/WID requirements\*\*

### \*Areas of Study

#### Areas are defined by courses within one department

Students will decide and name these areas of study by collaborating with their advisors. For two areas, students would need a minimum of 21 hours per area with at least six hours at the 300-400 level per area, and a minimum of 12 hours total at the 300-400 level. For three areas, a minimum of 15 hours per area with at least three hours at the 300-400 level per area, and a minimum of 12 hours total at the 300-400 level. For four areas, a minimum of 12 hours per area with at least three hours at the 300-400 level per area, and a minimum of 12 hours total at the 300-400 level. A minor can be used in place of two areas of study, if the students is opting for three or four areas of study.

\*\*By completing the designated courses for the BUS Degree, the student will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum section of the catalog for the designated courses used to meet writing requirements for your program plan. Course descriptions will also identify courses that are part of the writing program.

The Assistant Director of the Student Opportunity and Resource Center serves as the academic advisor.

### Bachelor of University Studies Degree – Prior Degree Exception

If a student has previously earned a baccalaureate degree (or higher) from Dickinson State University or any other regionally accredited institution, the student may not graduate with a Bachelor of University Studies degree from Dickinson State University. A Bachelor of University Studies will not be granted as a second or third degree regardless of the number of hours earned.

## Associate in Science Degree

1. The student must earn a minimum of 60 semester hours of credit including 15 semester hours at Dickinson State University.
2. The student must earn a minimum of five semester hours of credit in the major area of study at Dickinson State University.
3. The student must have a minimum cumulative GPA of 2.00, as well as a minimum GPA of 2.00 in the major field of study.
4. The student must complete 39-43 semester hours of General Education courses (same as General Education course requirements as required for a baccalaureate degree).



5. Submitting a formal application for graduation at the Office of Academic Records is required in order to be eligible to receive a Dickinson State University diploma. Students may only submit an application for graduation once they have a minimum of 32 semester hours of academic credit (Includes in progress credit).
6. Should a student complete the academic requirements of a degree program during one semester but not make formal application for graduation until a subsequent semester, the graduation date printed on the transcript will reflect the date on which the academic requirements were met.
7. Participation in assessment activities as outlined by the student's major program(s) is required for graduation.

### **Associate in Applied Science Degree**

1. The student must earn a minimum of 60 semester hours of credit including 15 semester hours at Dickinson State University.
2. The student must earn a minimum of five semester hours of credit in the major area of study at Dickinson State University.
3. The student must have a minimum cumulative GPA of 2.00, as well as a minimum GPA of 2.00 in the major field of study.
4. The student must complete 16 semester hours of general education courses as required by the specific program
5. Submitting a formal application for graduation at the Office of Academic Records is required in order to be eligible to receive a Dickinson State University diploma. Students may only submit an application for graduation once they have a minimum of 32 semester hours of academic credit (Includes in progress credit).
6. Should a student complete the academic requirements of a degree program during one semester but not make formal application for graduation until a subsequent semester, the graduation date printed on the transcript will reflect the date on which the academic requirements were met.
7. Participation in assessment activities as outlined by the student's major program(s) is required for graduation.

### **Associate in Arts Degree**

1. The student must earn a minimum of 60 semester hours of credit including 15 semester hours at Dickinson State University.
2. The student must complete 39-43 semester hours of General Education courses (same General Education course requirements as required for a baccalaureate degree).
3. The student must have a minimum cumulative GPA of 2.00.

4. Submitting a formal application for graduation at the Office of Academic Records is required in order to be eligible to receive a Dickinson State University diploma. Students may only submit an application for graduation once they have a minimum of 32 semester hours of academic credit (Includes in progress credit).
5. Should a student complete the academic requirements of a degree program during one semester but not make formal application for graduation until a subsequent semester, the graduation date printed on the transcript will reflect the date on which the academic requirements were met.
6. Participation in assessment activities as outlined by the student's major program(s) is required for graduation.

### **Certificate Program**

1. The student must complete specific General Education classes and major classes that are required for the certificate program (number of credits may vary).
2. A minimum of nine semester hours of credit are required for all certificate programs. At least 50% of the required classes must be Dickinson State University classes.
3. The student must have a minimum cumulative GPA of 2.00.
4. Submitting a formal application for graduation at the Office of Academic Records is required in order to be eligible to receive a Dickinson State University certificate. Students should submit their application for graduation during their first term of enrollment at DSU.
5. Should a student complete the academic requirements of a certificate program during one semester but not make formal application for graduation until a subsequent semester, the graduation date printed on the transcript will reflect the date on which the academic requirements were met.

### **Certificate of Completion**

1. Certificates of completion require eight or less semester hours.
2. At least 50% of the required classes must be Dickinson State University classes.
3. The student must have a minimum cumulative GPA of 2.00.
4. Submitting a formal application for graduation at the Office of Academic Records is required in order to be eligible to receive a Dickinson State University certificate of completion. Students should submit their application for graduation during their first term of enrollment at DSU.
5. Should a student complete the academic requirements of a certificate of completion program during one semester but not make formal application for graduation until a subsequent semester, the graduation date printed on the transcript will reflect the date on which the academic requirements were met.

## Double Degree

To earn two four-year degrees (example: Bachelor of Arts and Bachelor of Science in Education), the student must complete all requirements with the exception of General Education for both degrees plus an additional 30 semester hours above the minimum for one degree (120 credit hours) to equal 150 semester hours. This policy is not applicable to the Bachelor of University Studies Degree regardless of the number of hours earned.

International students who wish to earn a second baccalaureate degree must provide official verification of the first baccalaureate degree and earn a minimum of 150 semester hours, of which 30 semester hours must be earned through Dickinson State University. All general education requirements, major requirements and degree requirements must be met according to the Dickinson State University catalog.

A student who has completed all of the academic requirements for two degrees but has not met the 150 credit minimum requirement may not avoid the 150 credit requirement by postponing the application for the second degree until a future semester.

A student who graduates with two (different) Dickinson State University degrees in a single term must have completed all of the major program requirements (with the exception of General Education) for both degrees; and the student must have earned a total of at least 150 academic credits. Students will be permitted to graduate with more than two degrees (Bachelor of Arts and Bachelor of Science) in any one semester.

A student who is awarded a Dickinson State University Bachelor of University Studies degree in one term and subsequently applies for a second Dickinson State University baccalaureate degree (B.A., B.A.S., B.B.A., B.S., B.S.E.D, B.S.N.) must have accumulated a minimum of 150 academic credits. (Exception: if the second degree is a Bachelor of Science in Education degree and the reason for not receiving the Bachelor of Science in Education as the student's initial degree was due to PRAXIS or PORTFOLIO issues, then 150 minimum credits will be waived.)

To earn two associate degrees, the student must meet all requirements for both degrees plus an additional 11 semester hours of credit above the minimum for one degree. A student may earn a Bachelor's degree and an Associate's degree if the requirements for the Associate's degree have been completed a minimum of one term prior to the completion of the Bachelor's degree.

## Double Majors

Students may graduate with two majors within a single degree (example: Bachelor of Arts in English and History) provided that the requirements are met for both majors and the baccalaureate degree. A minimum of 120 semester hours are required.

## Composite Major

In order for a major to be listed as a Composite Major, its major curriculum must require the completion of a minimum of 56 semester hours of credit.

## APPLICATION FOR GRADUATION

Students pursuing a **MASTERS** degree may not submit an *Application for Graduation* until they have a minimum of 16 graduate semester hours of academic credit. Students pursuing a **BACHELORS** degree may not submit an *Application for Graduation* until they have a minimum of 80 semester hours of academic credit, students pursuing an **ASSOCIATE** degree may not submit an Application for Graduation until they have a minimum of 32 semester hours of academic credit, students pursuing a one-year **CERTIFICATE** or **CERTIFICATE OF COMPLETION** program should submit their application during their first semester at DSU. **Above totals INCLUDE in progress credits.**

Students should check their earned-credit total via the student self-service module. Students are strongly encouraged to continue to meet regularly with their academic advisors until they are eligible to submit their *Application for Graduation*. If the credit values indicated above have not been met when we receive the application, it will be returned to the student with instructions to re-submit the application after the required minimum credit hours have been earned.

Dickinson State University holds commencement exercises two times each year, at the end of the fall and spring terms. Students who have satisfied graduation requirements during the previous term, or who would need 12 or fewer credits to complete their degree and will be able to complete those credits during term immediately following commencement, are eligible to participate in graduation exercises.

## CATALOG YEARS OF LIMITATIONS

1. A student is under the governance of the academic catalog in effect upon matriculation to Dickinson State University. A student may choose to move to the governance of the current catalog if the student has not had an academic "break" in their studies of two consecutive years or more.
2. A student who has an academic "break" (has not completed a course at Dickinson State University) of two consecutive years or more, excluding summer sessions, must change to the University catalog which is in effect at the time the student resumed his/her studies.
3. A student may not complete a degree from an academic catalog that was put into effect more than six calendar years prior to their graduation date.
4. Students who elect to graduate with an Associate Degree (A.A.S., A.A., A.S.) and want to re-enroll at Dickinson State University in order to complete a baccalaureate degree may remain under the governance of their initial degree catalog so long as enrollment is continuous between the two degree programs.

5. If a new catalog is published since a student's initial enrollment, a student may choose to graduate under the governance of the new catalog, or remain under the governance of initial enrollment catalog so long as continuous enrollment is maintained with no academic "break."
6. Students who graduate with one degree (or double degrees) and then return to Dickinson State University for another degree must follow the specific program requirements printed in the most recently published catalog when they return for their additional degrees.

## GRADUATION HONORS

Candidates for graduation from a four-year-degree curriculum will receive honors upon graduation on the following basis:

Summa Cum Laude	Minimum Cumulative GPA 3.9
Magna Cum Laude	Minimum Cumulative GPA 3.75
Cum Laude	Minimum Cumulative GPA 3.5

The cumulative GPA includes all college credits earned prior to graduation, not just college credits earned at Dickinson State University.

The honor standings for commencement purposes are evaluated one semester prior to graduation. Final honors will be evaluated after completion of the degree. These honors will be posted on the student's transcript. A minimum of 30 hours must be earned at Dickinson State University.

## ACADEMIC HONORS

### President's List

Students with a term GPA of 3.9 or above after the completion of a minimum of 12 Dickinson State University GRADED (A, B, C, D, F) credit hours\* during the semester will be named to the President's List. Recipients of this prestigious award will receive a letter from the president of Dickinson State University and will also have an appropriate notation placed on their official academic record. Moreover, the list of recipients will be included in appropriate college publications and in area newspapers.

### Dean's List

Students with a term GPA of 3.5 – 3.89 after the completion of a minimum of 12 Dickinson State University GRADED (A, B, C, D, F) credit hours\* during the semester will be named to the Dean's List. Recipients of this prestigious award will receive a letter from the Vice President for Academic Affairs and will also have an appropriate notation placed on their official academic record. Moreover, the list of recipients will be included in appropriate college publications and in area newspapers.

\*Credits earned with an "S" grade cannot be counted in the required 12 credit minimum.

## FOREIGN EXCHANGE AND STUDY ABROAD PROGRAMS

Dickinson State University's aims to prepare students to live in an increasingly global society and to develop an understanding of different cultures. As part of this initiative, students worldwide have been invited to apply for admission to DSU. Likewise, Dickinson State University engages in sending faculty and students to universities abroad.

Currently, there are students from all over the world enrolled at Dickinson State University. In addition to opportunities for degree seeking students, DSU has exchange agreements with partner universities to allow non-degree seeking students to attend Dickinson State University short-term and for DSU students to study abroad.

Dickinson State University is also a host institution for Government Sponsored Programs such as the Congress Bundestag Youth Exchange Program (CBYX) and the Thomas Jefferson Scholarship Program. These programs are sponsored by the U.S. Department of State's Bureau of Educational and Cultural Affairs.

Dickinson State University has processes in place for both faculty-led and independent study abroad activities. Faculty-led study abroad gives students and faculty opportunities to participate in study abroad excursions designed to meet many types of educational outcomes. Faculty who are interested in proposing study abroad opportunities should work with the Office of International Programs.

Students can initiate independent study abroad or international internships. Students who wish to study in a particular country or to explore specific topics of study should contact the Office of International Programs for more information. Students will be connected with DSU's partner institutions as well as third party study abroad providers like the University Study Abroad Consortium (USAC), International Studies Abroad (ISA), Knowledge Exchange Institute (KEI), Semester at Sea or other NDUS institutions.

Financial aid may be available for students who participate in study abroad experiences.

For more information regarding exchange programs with partner universities or general study abroad inquiries contact the Office of International Programs, (701) 483-2340.

## DISTANCE EDUCATION

In support of the University's mission to provide high quality accessible programs and recognizing the needs of each student, the role of distance education is to extend available University resources beyond the campus and traditional offerings. Through cooperative and collaborative efforts Dickinson State University offers degree programs, courses and certificates to meet individual's academic and career goals. Programs include Dickinson State University Online, Dickinson State University face-to-face programs and two-plus-two programs at Bismarck State College and Williston State College.

Students pursuing coursework through distance education are supported and have access to assistance through their assigned academic advisor, Dickinson State University and Dickinson State University Bismarck and Williston site student services offices, and the Dickinson State University website. Specific questions regarding online education at Dickinson State University can be found in the F.A.Q. section on the DSU Online webpage.

*Advising:* Entering students are assigned an experienced point-of-contact advisor for general questions in regard to attending college; along with a faculty advisor from their chosen field of study.

*Tutoring:* Distance education students have access to qualified tutors in the Tutoring Center along with online tutoring services through NetTutor.

*Technology Applications:* Dickinson State University students have access to training tutorials through Hoonuit. These tutorials are able to assist students with questions regarding formatting Word documents, working with Excel spreadsheets and many other functions.

### Dickinson State University Locations and Degree programs

Please refer to the academic program pages for degree specifics.

#### Dickinson State University Online

Master of Arts in Teaching  
 Master of Athletic Educational Leadership (Pending HLC Approval)  
 Master of Business Administration (Pending HLC Approval)  
 Master of Education in Elementary Education (Pending HLC Approval)  
 Master of Entrepreneurship  
 Bachelor of Applied Science: Business  
 Bachelor of Business Administration: Accounting  
 Bachelor of Business Administration: Administration  
 Bachelor of Business Administration: Finance  
 Bachelor of Business Administration: Human Resource Management  
 Bachelor of Science in Education: Business Education  
 Bachelor of Science in Education: Elementary Education  
 Bachelor of University Studies  
 Associate in Applied Science: Administration  
 Associate in Arts  
 Associate in Science in Agriculture Sales/ Service: Equine Management Option

Associate in Science in Agriculture Sales/Service: Equine Training Option  
 Certificate in Accounting Technician  
 Certificate in Banking  
 Certificate in Business (Graduate)  
 Certificate in Business Fundamentals  
 Certificate in Data Entry Specialist  
 Certificate in Digital Marketing  
 Certificate in Entrepreneurship (Graduate)  
 Certificate in Graphic Design  
 Certificate in Hospitality  
 Certificate in Horse Production  
 Certificate in Human Resource Management  
 Certificate in Office Administration Specialist  
 Certificate in Reception Services Specialist  
 Certificate of Completion: CPA Preparation  
 Certificate of Completion: Entrepreneurship  
 Digital Marketing Concentration for Business Majors

### Dickinson State University - Bismarck State College Site

Bachelor of Applied Science: Business  
 Bachelor of Arts in Composite Social Science  
 Bachelor of Arts in English: Literature Track  
 Bachelor of Arts in History  
 Bachelor of Arts in Music  
 Bachelor of Business Administration: Accounting  
 Bachelor of Business Administration: Administration  
 Bachelor of Business Administration: Finance  
 Bachelor of Business Administration: Human Resource Management  
 Bachelor of Science in Computer Science  
 Bachelor of Science in Computer Technology Management  
 Bachelor of Science in Information Analytics  
 Bachelor of Science in Mathematics  
 Bachelor of Science in Education: Business Education  
 Bachelor of Science in Education: Composite Social Science  
 Bachelor of Science in Education: Elementary Education  
 Bachelor of Science in Education: English Education  
 Bachelor of Science in Education: History Education  
 Bachelor of Science in Education: Mathematics Education  
 Bachelor of Science in Education: Music Education  
 Bachelor of University Studies  
 Certificate in Banking  
 Certificate in Digital Marketing  
 Certificate in Human Resource Management  
 Certificate of Completion: CPA Preparation  
 Certificate of Completion: Entrepreneurship  
 Digital Marketing Concentration for Business Majors

### Dickinson State University - LIVE

Bachelor of Applied Science: Business  
 Bachelor of Arts in Communication  
 Bachelor of Arts in Composite Social Science  
 Bachelor of Arts in English  
 Bachelor of Arts in History  
 Bachelor of Arts in Political Science  
 Bachelor of Business Administration: Accounting  
 Bachelor of Business Administration: Administration  
 Bachelor of Business Administration: Finance  
 Bachelor of Business Administration: Human Resource Management  
 Bachelor of Science in Computer Science

Bachelor of Science in Computer Technology  
 Management  
 Bachelor of Science in Criminal Justice  
 Bachelor of Science in Information Analytics  
 Bachelor of Science in Mathematics  
 Bachelor of Science in Psychology  
 Bachelor of Science in Education: Business Education  
 Bachelor of Science in Education: Composite Social  
 Science  
 Bachelor of Science in Education: Elementary Education  
 Bachelor of Science in Education: English Education  
 Bachelor of Science in Education: History Education  
 Bachelor of Science in Education: Mathematics Education  
 Bachelor of Science in Education: Technology Education  
 Bachelor of University Studies  
 Associate in Applied Science: Administration  
 Associate in Arts: Communication  
 Associate in Science: Criminal Justice  
 Associate in Science: Elementary Education  
 Associate in Science: Secondary Education  
 Associate in Science: Substance Abuse Counseling  
 Certificate in Accounting Technician  
 Certificate in Banking  
 Certificate in Business Fundamentals  
 Certificate in Computer Programming  
 Certificate in Data Entry Specialist  
 Certificate in Digital Communication  
 Certificate in Digital Marketing  
 Certificate in Graphic Design  
 Certificate in Hospitality  
 Certificate in Horse Production  
 Certificate in Human Resource Management  
 Certificate in Office Administration Specialist  
 Certificate in Reception Services Specialist  
 Certificate in Web Management  
 Certificate of Completion: CPA Preparation  
 Certificate of Completion: Entrepreneurship  
 Digital Marketing Concentration for Business Majors

**Dickinson State University - Williston State College Site**

Bachelor of Applied Science: Business  
 Bachelor of Business Administration: Accounting  
 Bachelor of Business Administration: Administration  
 Bachelor of Business Administration: Finance  
 Bachelor of Business Administration: Human Resource  
 Management  
 Bachelor of Science in Education: Business Education  
 Bachelor of University Studies  
 Certificate in Hospitality  
 Digital Marketing Concentration for Business Majors

**STOXEN LIBRARY**

Stoxen Library is the heart of Dickinson State University and provides valuable resources, services, and spaces for all types of research projects. Services are provided to DSU students, faculty, and staff, as well as members of the larger Dickinson community. The hours the library is open varies throughout the year. Library hours are posted at the library entrance and on the library webpage. Extended hours are offered during exam periods.

The library maintains a collection of physical and electronic resources. The physical collection within the library offers over 89,000 items and includes books, magazines, academic journals, newspapers, maps, DVDs, and more. The electronic collection is accessible via the library website and includes over 25,000 eBooks as well as many online databases with licensed, full-text, electronic content. Resources that are not available in the Stoxen Library collections can often be obtained through interlibrary loan networks.

Stoxen Library staff provides in-person and distance reference services which include chat reference, email, telephone and online meetings. Students can request one-on-one or group learning and research sessions with skilled librarians. Library instruction is incorporated into many in-person and online classes at DSU.

Stoxen Library accommodates approximately 300 patrons and includes an Upper Level, Lower Level, and Books Balcony. The library has an instruction classroom, a designated quiet area, multiple study rooms for individuals and groups, a viewing room and many multipurpose reading and study spaces. The library provides access to 34 desktop computers, 10 student laptops, and Wi-Fi connection for personal devices. The library has printers, a color printer, scanners and a copy machine. There is no food or drink allowed next to the library computers.

For more information please visit the service desk or our webpage at <https://www.dickinsonstate.edu/academics/library/>, call (701) 483-2135, or email us at [dsu.stoxenlibrary@dickinsonstate.edu](mailto:dsu.stoxenlibrary@dickinsonstate.edu).

## THEODORE ROOSEVELT CENTER

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Dickinson State University students are invited to take advantage of the opportunities for research and internships afforded by the Theodore Roosevelt Center. The TRC was established at Dickinson State University to study and analyze the life and legacy of the 26<sup>th</sup> president of the United States, for whom the North Dakota badlands was a second home. Like other presidents before Herbert Hoover, Theodore Roosevelt has no presidential library. His papers are scattered in discrete collections at the Library of Congress, Harvard University, and elsewhere. In partnership with these organizations, the TR Center has undertaken to create a comprehensive digital library presenting Roosevelt's letters, diaries, presidential papers, photographs, and ephemera. Through the digital library and through symposia and publications, the Center investigates, interprets, and informs the understanding of Roosevelt's contributions to American life.

The Center cooperates with the Department of Social Sciences and the Theodore Roosevelt Honors Leadership Program in providing students with research and internship opportunities. The Center also offers public programs, including an annual symposium on a theme from Roosevelt's life, bringing nationally acclaimed scholars in history and the humanities to Dickinson State University. In collaboration with organizations in the region, including Theodore Roosevelt National Park, the Theodore Roosevelt Presidential Library Foundation, the Theodore Roosevelt Medora Foundation, the State Historical Society of North Dakota, and the North Dakota Cowboy Hall of Fame, the Center works to enrich the cultural experience for both residents and visitors to the area, deepening the understanding of the significance of Roosevelt's time in the Dakota badlands.

# THEODORE ROOSEVELT HONORS LEADERSHIP PROGRAM

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Theodore Roosevelt Honors Leadership Program Scholars will take a course of study that culminates in a Leadership Studies Minor (see below) and will have the opportunity to do an enhanced internship. Theodore Roosevelt Honors Leadership Program Scholars grow into leadership through service learning projects, a personal enhancement retreat and other special learning opportunities. Students will also have the opportunity to present research at national, regional, and local undergraduate conferences. All of these elements combine to make this unique program a challenging and personally rewarding way to build leadership credentials and become equipped for future academic and career successes. Theodore Roosevelt Honors Leadership Program Scholars will be competitive for national merit scholarships and be prepared to succeed in graduate school.

Theodore Roosevelt Scholarships, made possible through the Dickinson State University Heritage Foundation, are granted on a competitive basis to applicants who meet program entrance criteria. Once admitted to the program, students form a leadership learning community share experiences and courses together for the next four years. TR Scholars take special courses taught by distinguished faculty that allow them to become more adept in their future role as leaders in business, education, medicine, or whatever career path they choose. Students completing this program will graduate with a Leadership Studies Minor and are recognized and presented a framed certificate and honors medallion to be worn during the graduation procession.

## MISSION STATEMENT

The Theodore Roosevelt Honors Leadership Program (TRHLP) challenges high caliber students to become excited about learning and achieving personal goals and prepares leaders for service in the community, the nation and the world. TR Scholars will learn:

- How to lead teams of people in collaborative decision-making and problem solving
- Tools for lifelong learning and peak personal performance
- Practical reasoning skills for 21st Century leaders
- How to succeed in a diverse and rapidly changing workplace dominated by global competition
- Leadership theories

## Student Learning Outcomes

Theodore Roosevelt Scholars are expected to pursue a course of study designed to help them achieve learning outcomes that are essential to the TRHLP honors experience. Students who graduate with the Theodore Roosevelt Honors Leadership Minor will:

1. Think critically and creatively by evaluating, analyzing, and/or utilizing information from many sources in a variety of situations, problems, and/or disciplines. (This learning outcome directly addresses Institutional Learning Outcomes II, VI, and VII)
2. Communicate effectively in multiple formats with a variety of audiences and display competence as a listener. (This learning outcome directly addresses Institutional Learning Outcome III)
3. Model responsible citizenship through volunteerism and dedication to helping others. (This learning outcome directly addresses Institutional Learning Outcomes I and V)
4. Appreciate diversity by confronting assumptions and learning about cultural differences on local, national, and global levels. (This learning outcome directly addresses Institutional Learning Outcomes I and V)
5. Demonstrate a commitment to improving leadership through collaboration, service, and self-reflection. (This learning outcome directly addresses Institutional Learning Outcomes V, VI, and VII)

# THEODORE ROOSEVELT HONORS LEADERSHIP PROGRAM INFORMATION

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For more information, please contact:

Program Director  
Theodore Roosevelt Honors Leadership Program  
May Hall 311  
1-800-279-4295 or 701-483-2114

## GENERAL ACADEMIC POLICIES

1. All participants in the Theodore Roosevelt Honors Leadership Program (TRHLP) must be baccalaureate degree seeking. It is mandatory all TR scholars graduate with a Leadership Studies Minor.
2. Students will only be admitted in the fall and if they have less than 60 college credits total.
3. If a student is admitted as a freshman, (0-23 credit hours) he/she will receive 4 years of funding. If a student is admitted as a sophomore (24-59 credit hours) he/she will receive 3 years of funding.
4. If a nursing student is admitted as a freshman (0-23 credit hours) he/she will receive 5 years of funding. If a nursing student is admitted as a sophomore (24-59 credit hours) he/she will receive 4 years of funding.
5. To keep their scholarships, students must maintain all program requirements
6. All TRHLP courses involve intensive reading and writing assignments.
7. Students are expected to take at least one class from the TRHLP curriculum per semester. Those classes and a Course of Study are listed below and in the Dickinson State University Catalog. Students take additional courses in their discipline or other general education courses to meet the mandated full-time student load of 12 hours or more of coursework at DSU.
  - a. Qualified DSU and transfer students may enter the TRHLP in the fall only and if they have under 60 credit hours when they begin the program. These students will need to make up required coursework in order to earn the Leadership Studies Minor.
  - b. Nursing students should consult with the Department of Nursing Chair and the TRHLP Director when planning their course of study. Nursing students may receive 5 years of funding, provided they maintain all program requirements.
  - c. College Composition I and II taken through the high school early entry (formerly known as dual credit) program will ONLY count toward TRHLP curricular requirements if the student received an "A" grade.
  - d. Fundamentals of Public Speaking taken through the high school early entry (formerly known as dual credit) program will ONLY count toward TRHLP curricular requirements if the student received an "A" grade.
8. Students must be attending courses on campus during their time as TR Scholars and DSU students
9. Students are expected to be very active in the program. The TRHLP requires students attend certain events and activities. These include, but are not limited to: all-class meetings, co-curriculars, program events, and other events/activities deemed mandatory by the Director. More information is available in the **Maintenance of Honors Program Status** section below.
10. The TRHLP is very service learning oriented. All students will complete 60 service learning hours over the time of their scholarship. These must be volunteer hours and not for pay. Thirty of these hours will be completed in the LEAD 495H-1 Introduction to TRHLP course that students take during their first semester. The remaining 30 hours will be completed by taking the LEAD 495H-2 Service Learning course. Students will engage in other service learning opportunities during their time as TR Scholars, but will only earn credit towards the required 60 while enrolled in the appropriate courses.
11. When applying for graduation, graduating seniors must indicate they will graduate with a Leadership Studies Minor. ***Graduating Seniors will also need to schedule a graduation audit with the TRHLP Director the semester prior to graduation.***

## MAINTENANCE OF HONORS PROGRAM STATUS

1. Students must enroll in all appropriate courses (detailed in the Course of Study) and maintain a minimum cumulative grade point average (GPA) of 3.25.
  - a. If a student's cumulative GPA is below 3.25, they will be placed on academic warning status for the following semester. If the student does not have a cumulative GPA of 3.25 after the warning semester, they will be placed on probation for the following semester. If after the probationary semester the student's cumulative is still not a 3.25, they will forfeit the scholarship beginning the next semester. Please note this could mean revocation of the scholarship in the middle of the school year. A student will be placed on academic probation only once during their time in the TRHLP. Instead of being placed on academic probation for a second time, the student will forfeit the scholarship.



- b. Appeal of this removal or requests for waiver of this requirement because of special circumstances must be submitted in writing to and received by the TRHLP Director within 10 working days of student receipt of either a letter of probation or of non-renewal.
  - c. Being placed on both academic and participation probation at the same time indicates a lack of suitability for continuance in the TRHLP and will also result in immediate removal. Please note this could mean revocation of the scholarship in the middle of the school year. See below for information about participation requirements.
  - d. Students removed from the TRHLP may not apply for re-admission to the program or the scholarship.
  - e. Students attending the National Collegiate Honors Conference must be in good academic standing.
2. All TRHLP Scholars are required to attend mandatory events for each semester. These include, but are not limited to: monthly all-class meetings, donor luncheons, Freshman Retreat, Homecoming Parade, and other events deemed mandatory by the Director. These events will have a sign-in sheet. Students who cannot attend a mandatory event need to inform the Director or Office Manager. Additionally, each semester all students must attend three DSU co-curricular events and write a response to them. Acceptable co-curriculars include, but are not limited to: speakers on campus, Global Table, sessions at the NCHC conference, sessions at the TR Symposium. The focus of the co-curriculars should be educational and not mainly for entertainment purposes. Athletic, musical, and theatrical events do not count as co-curriculars. Responses should answer the following questions for each event attended:

The three response essays will be due at the same time as the TRHLP Semester Update form at the end of each semester, but these documents can be submitted earlier. The TRHLP office prefers electronic submissions. Electronic submissions can be sent to Mari Kovash at [Marietta.kovash@dickinsonstate.edu](mailto:Marietta.kovash@dickinsonstate.edu).

- *What was the name/title of the event?*
- *Who spoke? What was said?*
- *What was the most important lesson you learned? Please explain.*

- a. If a student does not have satisfactory participation for a semester, they will be placed on participation warning status for the following semester. If the student does not have satisfactory participation after the warning semester, they will be placed on participation probation. If after the probationary semester, the student's participation is still not satisfactory, they will forfeit the scholarship beginning the next semester. Please note this could mean revocation of the scholarship in the middle of the school year.

A student will be placed on participation probation only once during their time in the program. Instead of being placed on participation probation for a second time, the student will forfeit the scholarship.

- b. Appeal of this removal or requests for waiver of this requirement because of special circumstances must be submitted in writing to and received by the TRHLP Director within 10 working days of student receipt of either a letter of probation or of non-renewal.
- c. Being placed on both academic and participation probation at the same time indicates a lack of suitability for continuance in the TRHLP and will also result in immediate removal. Please note this could mean revocation of the scholarship in the middle of the school year. See above for information about academic requirements.
- d. Students removed from the TRHLP may not apply for re-admission to the program or the scholarship.
- e. **Mandatory Events:** When attending mandatory events, students must sign in or do what is necessary to verify attendance. If a student is not in attendance and another student signs in for them, both parties will be immediately placed on probation. If one or both parties are already on probation, they will be removed from the TRHLP.
- f. **Mandatory All-Class Meetings:** In the event a TRHLP Scholar misses a mandatory monthly class meeting, they should ask their TREC representative for an update within 7 days.
- g. **Update Forms:** Students must complete the online TRHLP Update Form and submit it electronically to the TRHLP Office each semester by the deadline established in the announcement email. This form supplies an array of important data used to improve the program and facilitate timely graduation and communication.

# HONORS LEADERSHIP COURSE OF STUDY

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## THEODORE ROOSEVELT HONORS LEADERSHIP PROGRAM REQUIREMENTS

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### YEAR ONE

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#### Fall Semester

UNIV 100	Freshman Seminar	1
COMM 111H	Honors Public Speaking	3
ENGL 111H	Honors Composition I	3
LEAD 495H-1	Introduction to the TRHLP	1
		<b>Subtotal: 8</b>

COMM 111H satisfies Group I.C General Education requirement

ENGL 111H satisfies Group I.A General Education requirement

UNIV 100 satisfies an institutional requirement

#### Special Learning Opportunities

- Serve on the Theodore Roosevelt Executive Committee, TREC
- Theodore Roosevelt Symposium

#### Spring Semester

ENGL 121H	Honors Composition II	3
LEAD 100H	21st Century Leadership	3
LEAD 296H	Study Tour	1
		<b>Subtotal: 7</b>

ENGL 121H satisfies the Group I.B General Education requirement

#### Special Learning Opportunities

- Serve on the Theodore Roosevelt Executive Committee, TREC
- Study Tour
- Campus Tour Guide for the Admissions Office

### YEAR TWO

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#### Fall Semester

LEAD 200H	Leadership and Change	1
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#### Special Learning Opportunities

- Serve as a mentor for incoming TR students
- Campus Tour Guide for the Admissions Office
- Serve on the Theodore Roosevelt Executive Committee, TREC

#### Spring Semester

COMM 216	Intercultural Communication	3
LEAD 300H	Global Leadership	1
		<b>Subtotal: 4</b>

COMM 216 satisfies the Group II.B General Education requirement

#### Special Learning Opportunities

- Serve as a mentor for incoming TR students
- Campus Tour Guide for the Admissions Office
- Serve on the Theodore Roosevelt Executive Committee, TREC

### YEAR THREE

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#### Fall Semester

LEAD 495H-2	Service Learning Project	1
A 200-400 level elective outside of the student's major. Depending on the course selected, it may count towards General Education		3
		<b>Subtotal: 4</b>

#### Special Learning Opportunities

- Serve as a mentor for incoming TR students
- Campus Tour Guide for the Admissions Office
- Serve on the Theodore Roosevelt Executive Committee, TREC
- National Collegiate Honors Council Conference

#### Spring Semester

BADM 369	Business Ethics and Critical Thinking	3
LEAD 494H	Independent Study: Conference Proposal	1
		<b>Subtotal: 4</b>

#### Special Learning Opportunities

- Serve as a mentor for incoming TR students
- Campus Tour Guide for the Admissions Office
- Serve on the Theodore Roosevelt Executive Committee, TREC
- Dickinson State University Undergraduate Research Conference

### YEAR FOUR

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#### Fall Semester

LEAD 491H	Honors Seminar	3
Graduating seniors must apply for graduation and indicate they expect to graduate with a Leadership Studies Minor.		

#### Special Learning Opportunities

- Serve as a mentor for incoming TR students
- Campus Tour Guide for the Admissions Office
- Serve on the Theodore Roosevelt Executive Committee, TREC
- National Collegiate Honors Council Conference

**Spring Semester**

LEAD 497H Internship 2

**Special Learning Opportunities**

- Serve as a mentor for incoming TR students
- Campus Tour Guide for the Admissions Office
- Serve on the Theodore Roosevelt Executive Committee, TREC
- Dickinson State University Undergraduate Research Conference

**Total Credit Hours: 33****LEADERSHIP STUDIES MINOR**

The Leadership Studies Minor is comprised of 33 credits.

**REQUIREMENTS****Courses**

BADM 369	Business Ethics and Critical Thinking	3
COMM 111H	Honors Public Speaking	3
COMM 216	Intercultural Communication	3
ENGL 111H	Honors Composition I	3
ENGL 121H	Honors Composition II	3
LEAD 100H	21st Century Leadership	3
LEAD 200H	Leadership and Change	1
LEAD 296H	Study Tour	1
LEAD 300H	Global Leadership	1
LEAD 491H	Honors Seminar	3
LEAD 494H	Independent Study: Conference Proposal	1
LEAD 495H-1	Introduction to the TRHLP	1
LEAD 495H-2	Service Learning Project	1
LEAD 497H	Internship	2
UNIV 100	Freshman Seminar	1
Electives	200-400 level elective outside of student's major	3

**Total Credit Hours: 33**

# GENERAL EDUCATION CURRICULUM

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## INSTITUTIONAL ACADEMIC REQUIREMENTS

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### I. FIRST YEAR EXPERIENCE REQUIREMENTS

Students may be required to complete the following:

UNIV 100	Freshman Seminar	1
	Total Credits	1

This course is required for all incoming freshman (including transfer students) with 23 hours or less who have not completed an equivalent course at another institution.

This course must be taken during the first semester of the freshman year at Dickinson State University unless the student is a mid-year transfer, then the course will be taken during the second semester of the freshman year.

The skills and knowledge imparted through this course will help students survive the freshman year successfully and provide a firm foundation for their future academic career.

The course will help students adjust to college in their academic, personal, and social lives. It will help to develop and strengthen decision-making, problem solving, critical thinking, and career exploration skills.

### II. GENERAL EDUCATION REQUIREMENTS

*In alignment with Dickinson State University's mission, the General Education Program both complements and transcends individual academic emphases. Through the General Education curriculum, students demonstrate the following proficiencies: effective communication, critical and creative thinking, citizenship, and integrative learning. In meeting these proficiencies, students mature into independent life-long learners.*

In addition to major and minor requirements, all four-year degree students are required to complete a minimum 39 credits of general education course work within the three curriculum groups outlined below. Selected lower division courses numbered 100 and 200 are used to fulfill general education requirements. Exceptions to this rule are the upper division courses numbered at the 300 level approved in the general education curriculum.

Note: Students seeking a degree from Dickinson State University, who have already earned a baccalaureate degree from an accredited college or university, will be considered complete with respect to their general education requirements. However, specific general education classes which are also considered program requirements with respect to specific majors for licensure or certification program requirements will need to be completed before the degree will be granted.

Any course substitutions/waivers related to general education requirements must be approved by the Department Chair that supervises the specific course or group.

### General Education Learning Outcomes

#### Communication

**Definition:** Communication is the sharing of ideas through written, oral, and symbolic language. It involves the active expression and reception of ideas through multiple technologies, physical and spoken language, mixed texts, data, and images.

**Goal Statement:** Students will apply multiple conventions of expression to achieve shared understanding of meaning.

#### **Student Outcomes:**

- Adapt modes and styles of writing to different purposes, audiences, media, and contexts
- Develop effective pre-writing, researching, drafting, revising, proofreading, and editing processes
- Utilize writing technologies crucial to performance in today's writing-intensive professions
- Organize and convey a central message via oral communication, using supporting evidence and adapting language and delivery for audience
- Initiate and negotiate in a collaborative setting by listening to, building upon, verifying, or challenging others' ideas and conclusions

#### Citizenship

**Definition:** Citizenship involves individuals attuned to the multiple perspectives inherent in our socially and culturally diverse world. Citizens are cognizant of their own health and well-being, demonstrate an understanding of the impact one has on the arenas outside of the self, and engage with complex, authentic issues both locally and globally.

**Goal Statement:** Students will progressively maintain their personal health and well-being and consider diverse social-cultural perspectives as they integrate and evaluate approaches to local and global issues.

#### **Student Outcomes:**

- Identify and incorporate strategies leading to individual health and well-being
- Predict and analyze the effects that one's decisions have on the well-being of others
- Integrate political, social, and cultural structures, utilizing multiple viewpoints, to contribute to a community's values and practices

- Apply technology effectively, safely and ethically in an evolving society

### **Critical and Creative Thinking**

**Definition:** Critical and creative thinking are intellectual skills in which knowledge and literacy are used to process information, construct understanding, apply knowledge, solve problems, and conduct inquiry.

**Goal Statement:** Upon completion of the General Education curriculum, students integrate critical and creative thinking skills while gaining knowledge of the Arts and Humanities, Mathematics, Natural Sciences, and Social Sciences.

#### **Student Outcomes:**

- Process information by collecting, generating, organizing, retrieving, recognizing underlying assumptions, or validating evidence.
- Construct understanding by analyzing, synthesizing, revealing meaning, or validating knowledge.
- Apply knowledge by performing, modeling, being creative in a new context, or validating results.
- Solve problems by identifying components, structuring information, anticipating consequences, or creating and improving solutions.
- Conduct inquiry by formulating research questions, obtaining evidence, explaining knowledge, depicting knowledge, validating or evaluating scholarship.

## **GROUP I - COMMUNICATIONS**

### **Students must complete the following:**

Students are required to complete nine credits of communication coursework with at least one course from lists A, B, and C.

#### **List A. English Composition I**

ENGL 110	College Composition I	3
ENGL 111H	Honors Composition I	3

#### **List B. English Composition II**

ENGL 120	College Composition II	3
ENGL 121H	Honors Composition II	3

#### **List C. Public Speaking**

COMM 110	Fundamentals Of Public Speaking	3
COMM 111H	Honors Public Speaking	3
		<b>Subtotal: 9</b>

## **GROUP II - CITIZENSHIP**

### **Students must complete the following:**

Students are required to complete 11-12 credits of citizenship coursework with at least one course from lists A, B, C, and D.

#### **List A. Technology**

CSCI 101	Introduction To Computers	3
		<b>Subtotal: 3</b>

#### **List B. Global Perspectives**

COMM 216	Intercultural Communication	3
GEOG 121	Physical Geography	3
GEOG 161	World Regional Geography	3
MUSC 201	World Music	3
SPAN 101	First Year Spanish I	4
SPAN 102	First Year Spanish II	4
		<b>Subtotal: 3-4</b>

#### **List C. Human Behavior and Governance**

POLS 115	American Government	3
PSYC 111	Introduction to Psychology	3
SOC 110	Introduction to Sociology	3
SOC 115	Social Problems	3
		<b>Subtotal: 3</b>

#### **List D. Well-being**

HPER 100	Concepts of Fitness and Wellness	2
NURS 240	Fundamentals of Nutrition	2
		<b>Subtotal: 2</b>

## **GROUP III - CRITICAL AND CREATIVE THINKING**

### **Students must complete the following:**

Students are required to complete a minimum of three credits from lists A, B, C, and D and at least four credits including a laboratory science from list E.

#### **List A. Creative Expressions**

ART 110	Introduction To The Visual Arts	3
ART 122	Two-Dimensional Design	3
ART 130	Drawing I	3
ART 250	Ceramics I	3
ART 281	Introduction to Digital Photography	3
COMM 211	Oral Interpretation	3
COMM 280	Understanding Film and Television	3
ENGL 211	Introduction to Creative Writing	3
MUSC 100	Music Appreciation	3
MUSC 102	American Popular Music	3
MUSC 110	Foundations of Music	3
MUSC 240	Chorale	1
MUSC 241	Concert Band	1
THEA 110	Introduction to Theatre Arts	3
THEA 161	Acting I	3
THEA 201	Theatre Practicum	1
THEA 301	Theatre Practicum	1
		<b>Subtotal: 3</b>

**List B. Literature**

ENGL 220	Introduction to Literature	3
ENGL 232	Mythology	3
ENGL 236	Women And Literature	3
ENGL 240	Masterpieces of World Literature	3
ENGL 250	Masterpieces of British Literature	3
ENGL 260	Masterpieces of American Literature	3
ENGL 265	Native American Literature	3

**Subtotal: 3****List C. Mathematics**

MATH 103	College Algebra	4
MATH 104	Finite Mathematics	4
MATH 107	Pre-Calculus	4
MATH 110	Liberal Arts Mathematics	3
MATH 146	Applied Calculus I	3
MATH 165	Calculus I	4
MATH 305	Probability and Statistics	4

**Subtotal: 3-4****List D. Social Science**

ECON 106	Global Economics	3
ECON 201	Principles Of Microeconomics	3
ECON 202	Principles Of Macro-Economics	3
HIST 103	United States To 1877	3
HIST 104	United States Since 1877	3
HIST 211	World Civilizations To 1500	3
HIST 212	World Civilizations Since 1500	3

**Subtotal: 3****List E. Natural Science**

BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
BIOL 112	Exploring Human Health in Our Environment	4
BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
CHEM 111	Fundamentals of Chemistry	3
CHEM 111L	Fundamentals of Chemistry Lab	1
CHEM 115	Introductory Chemistry	3
CHEM 115L	Introductory Chemistry Lab	1
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
GEOL 100	Earth Science	3
GEOL 100L	Earth Science Laboratory	1
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GEOL 106	The Earth Through Time	3
GEOL 106L	The Earth Through Time Lab	1
PHYS 110	Introductory Astronomy	3
PHYS 110L	Introductory Astronomy Lab	1
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1
SCNC 105	Physical Science	3
SCNC 105L	Physical Science Lab	1

**Subtotal: 4-5****GENERAL EDUCATION ELECTIVE****Select one additional General Education Elective:**

Students are required to take one additional course of three or more credits from the General Education curriculum **(3-4 SH)**

**Total Credit Hours: 39-43****GENERAL EDUCATION REQUIREMENT TRANSFER AGREEMENT (GERTA)****NORTH DAKOTA UNIVERSITY SYSTEM GENERAL EDUCATION REQUIREMENT TRANSFER AGREEMENT (GERTA)**

General Education courses above in Groups I, II, and III, with the exception of those listed below, are GERTA approved courses. Be aware that any course identified below as an exception to GERTA will not count toward meeting the GERTA regulations.

CHEM 111	Fundamentals of Chemistry	3
CHEM 111L	Fundamentals of Chemistry Lab	1
HPER 100	Concepts of Fitness and Wellness	2
MATH 110	Liberal Arts Mathematics	3
NURS 240	Fundamentals of Nutrition	2

GERTA-approved general education courses in the areas of communications, arts and humanities, social sciences, mathematics, science, and technology taken at any North Dakota University System (NDUS) institution count upon transfer toward the general education requirements at all NDUS institutions in one of the following two ways:

If the general education course work includes courses from each of these areas totaling at least 36 semester hours and completes the general education requirements of the institution from which the student transfers then the student is deemed to have completed the lower division general education requirements of the institution to which the courses are transferred.

In all other cases the general education courses from the indicated areas are applicable to an appropriate general education requirement of the institution to which they are transferred. In these cases the number of credits required to complete the general education requirement in each area is determined by the policies of the institution to which the courses are transferred.

Within the stipulated areas, each institution shall indicate in its catalog and other student advisement materials its courses which are approved for general education. NDUS institutions may establish program/institute specific requirements. A student should consult the institution to which he/she intends to transfer relative to these program/institution requirements.

## **TRANSFER OF ASSOCIATE DEGREES**

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### **Transfers of Associate in Arts and Associate in Science Degrees**

If a student transfers to Dickinson State University from a regionally accredited college and has earned an Associate in Arts degree and has completed six credit hours of freshman composition courses and also three credit hours in a public speaking course, the student will be considered complete with respect to his/her general education requirements. Similarly, if a student transfers to Dickinson State University from a North Dakota University System institution and has earned an Associate in Science degree and has completed six credit hours of freshman composition courses and also three credit hours in a public speaking course, the student will be considered complete with respect to his/her general education requirements. However, some Dickinson State University majors require very specific courses as part of their general education program. If those specific courses were not completed as part of the associate's degree, those specific courses would need to be completed at Dickinson State University.

# DEPARTMENT OF AGRICULTURE AND TECHNICAL STUDIES

## *College of Education, Business and Applied Sciences*

### Faculty

Full-time Faculty: C. Poland – Chair, D. King, J. Steffan, T. Stroh

### Mission

The mission of the Department of Agriculture and Technical Studies at Dickinson State University is to be a leader in developing the human capital necessary to create and maintain agricultural systems, landscapes and communities that are economically and environmentally sustainable in southwestern North Dakota and across the region.

### Participation in Writing Across the Curriculum and Writing in the Disciplines

By completing the designated courses for a B.S. in Agricultural Studies or A.S. in Agricultural Sales and Service, the student will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum (p. 25) section of the catalog for the designated courses used to meet writing requirements for your program plan or option. Course descriptions will also identify courses that are part of the writing program.

## BACHELOR OF SCIENCE DEGREE - AGRICULTURAL STUDIES

### Degree Requirements:

General Education  
Core Curriculum  
Option(s) Courses  
Electives

### Student Learning Outcomes

Agricultural Studies graduates will be able to demonstrate:

1. The application of basic scientific and economic principles to agricultural production, business, and resource management. (This learning outcome directly addresses Institutional Learning Outcome II.)
2. The application of production concepts appropriate to the Northern Great Plains region. (This learning outcome directly addresses Institutional Learning Outcomes II and VI.)
3. Oral, written, and graphical communication skills. (This learning outcome directly addresses Institutional Learning Outcome III.)
4. An understanding of agricultural resource management in a broader global, socioeconomic context. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)

5. The application of leadership skills necessary for successful advocacy at local, state, regional, and national levels. (This learning outcome directly addresses Institutional Learning Outcome IV.)

### REQUIREMENTS

#### THE FOLLOWING ARE REQUIRED AS PART OF GENERAL EDUCATION

ECON 201	Principles Of Microeconomics	3
MATH 103	College Algebra	4

#### AGRICULTURAL STUDIES CORE CURRICULUM

AGEC 241	Introduction to Agricultural Economics	3
AGEC 342	Introduction to Agricultural Management	3
AGRI 350	Agricultural Data Analysis and Statistics	4
AGRI 391	Junior Seminar	1
AGRI 394	Undergraduate Research	1
H&CE 241	Leadership and Presentation Techniques	3
PLSC 110	World Food Crops	3
RNG 236	Introduction to Range Management	4
SOIL 210	Introduction to Soil Science	4

#### One course from the following two courses (3 credits):

ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3

#### One course from the following two courses (3 credits):

BOTE 247	Spreadsheet Applications	3
CSCI 200	Database Software Applications	3

#### One course from the following two courses (1 credit):

AGRI 491	Agricultural Seminar	1
RNG 491	Range Seminar	1

*AGRI 491 and RNG 491 are capstone experience seminars that consist of an independent study with a public presentation and a professional paper requirement.*

#### One course from the following three courses (3 credits):

AGRI 280	Technology in Agriculture	3
GIS 380	Applied Arc GIS	3
GIS 381	Geographic Information Systems for Business	3

#### One course from the following four courses (3 credits):

BOTE 210	Business Communication	3
COMM 212	Interpersonal Communication	3
COMM 216	Intercultural Communication	3
COMM 317	Organizational and Group Communication	3

**Subtotal: 39**



**OPTION**

Students must select and complete at least one option (Business/Marketing, International Agri-Business, Integrated Farm Management, Integrated Ranch Management, Natural Resource Management, Range Management, Soil Science, Equine, General Agriculture, or Agricultural Communications) to complete the Bachelor of Science in Agricultural Studies degree.

**Business/Marketing Option**

Students pursuing the Business/Marketing option combine business techniques with knowledge of agricultural production to prepare for employment managing an agriculturally related business or in agricultural banking and finance.

*Students will be required to take BOTE 210 – Business Communication and GIS 381 – GIS for Business as part of the Agricultural Studies core curriculum.*

AGEC 244	Introduction to Agricultural Marketing	3
AGEC 246	Introduction to Agricultural Finance	3
AGEC 375	Applied Agricultural Law	3
AGEC 387	Commodity Futures and Options	3
AGEC 474	Cooperatives	3
AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
BADM 369	Business Ethics and Critical Thinking	3
BADM 455	International Business	3
ECON 202	Principles Of Macro-Economics	3
MATH 146	Applied Calculus I	3

**One course from the following two courses (3 credits):**

ANSC 220	Livestock Production	3
PLSC 225	Principles of Crop Production	3

**One course from the following two courses (3 credits):**

AGEC 422	Resource Economics and Environmental Protection	3
AGEC 442	Advanced Farm Management	3

**One course from the following two courses (3 credits):**

ACCT 200	Elements Of Accounting I	3
AGEC 142	Agricultural Accounting	3

**One course from the following four courses (3 credits):**

BADM 336	Management and Leadership	3
BADM 346	Human Resource Management	3
BADM 364	Electronic Commerce	3
BADM 388	Management Information Systems	3

**Two courses from the following five choices (6 credits):**

RNG 458	Rangeland Ecology	3
SOIL 321	Soil Management and Conservation	3
SOIL 322	Soil Fertility and Fertilizers	3
VETS 339	Animal Health	3
	Approved Agriculture elective(s)	3

**Subtotal: 47****International Agri-Business Option**

Students pursuing the International Agri-Business option combine business and supply-chain techniques with knowledge of agricultural production to prepare for employment developing, maintaining and expanding export opportunities for agricultural goods and services.

*Students will be required to take GIS 381 - GIS for Business as part of the Agricultural Studies core curriculum. Students will also be required to take Foreign Language 101 or higher as part of the General Education requirements.*

	Foreign Language 102 or higher	4
ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
AGEC 244	Introduction to Agricultural Marketing	3
AGEC 387	Commodity Futures and Options	3
AGRI 497	Agricultural Management Internship; Externship; Cooperative Education Three Credits Required	1-6
BADM 376	Production/Operations Management	3
BADM 455	International Business	3
ECON 106	Global Economics	3
ECON 202	Principles Of Macro-Economics	3
FIN 300	Financial Institutions and Markets	3
FIN 326	Managerial Finance	3
MATH 146	Applied Calculus I	3

**One course from the following three courses (3 credits):**

AGEC 474	Cooperatives	3
BADM 346	Human Resource Management	3
BADM 369	Business Ethics and Critical Thinking	3

**Two courses from the following four courses (6 credits):**

BADM 420	International Management	3
BADM 456	International Business Strategy	3
FIN 430	International Finance	3
MRKT 357	International Marketing	3

**Subtotal: 49****Integrated Farm Management Option**

Students pursuing the Integrated Farm Management option combine a strong foundation in agricultural production with business and resource management techniques necessary to operate a successful farming operation in the Northern Great Plains.

*Students will be required to take GIS 380 – Applied Arc GIS as part of the Agricultural Studies core curriculum.*

AGEC 142	Agricultural Accounting	3
AGEC 244	Introduction to Agricultural Marketing	3
AGEC 246	Introduction to Agricultural Finance	3
AGEC 375	Applied Agricultural Law	3
AGEC 387	Commodity Futures and Options	3
AGEC 442	Advanced Farm Management	3
AGEC 474	Cooperatives	3
GIS 382	Applied GPS	3
PLSC 225	Principles of Crop Production	3
PLSC 235	Field Scouting Techniques	2
PLSC 323	Principles Of Weed Science	3
SOIL 321	Soil Management and Conservation	3

SOIL 322	Soil Fertility and Fertilizers	3
SOIL 350	Soil Health and Productivity	3

**Choose course not taken in agricultural core curriculum (3 credits):**

ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3

**Choose courses from the following (5-7 credits):**

ANSC 220	Livestock Production	3
GIS 480	GPS/GIS II	3
PLSC 486	Forages and Forage Systems	3
RNG 350	Range Plants and Communities	3
RNG 436	Range and Pasture Management	3
RNG 458	Rangeland Ecology	3
SOIL 444	Soil Genesis and Survey	4
SOIL 455	Soil Microbiology	3
	Approved Agriculture elective(s)	1-3

**Subtotal: 49-51**

**Integrated Ranch Management Option**

Students pursuing the Integrated Ranch Management option combine a strong foundation in agricultural production with business and resource management techniques necessary to operate a successful ranching operation in the Northern Great Plains.

*Students will be required to take GIS 380 – Applied Arc GIS as part of the Agricultural Studies core curriculum.*

AGEC 142	Agricultural Accounting	3
AGEC 244	Introduction to Agricultural Marketing	3
AGEC 246	Introduction to Agricultural Finance	3
AGEC 375	Applied Agricultural Law	3
AGEC 387	Commodity Futures and Options	3
ANSC 220	Livestock Production	3
ANSC 420	Animal Genetics and Applied Animal Breeding	3
ANSC 445	Problems in Livestock Management	3
ANSC 463	Physiology of Reproduction	3
ANSC 463L	Physiology of Reproduction Laboratory	1
ANSC 470	Applied Ruminant Nutrition	3
VETS 339	Animal Health	3

**Choose course not taken in agricultural core curriculum (3 credits):**

ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3

**Two courses from the following four courses (6 credits):**

PLSC 486	Forages and Forage Systems	3
RNG 350	Range Plants and Communities	3
RNG 436	Range and Pasture Management	3
RNG 458	Rangeland Ecology	3

**Two courses from the following nine choices (5-6 credits):**

AGEC 442	Advanced Farm Management	3
ANSC 260	Introduction to Equine Studies	3
GIS 382	Applied GPS	3
GIS 480	GPS/GIS II	3
PLSC 225	Principles of Crop Production	3
SOIL 321	Soil Management and Conservation	3
SOIL 322	Soil Fertility and Fertilizers	3
SOIL 455	Soil Microbiology	3
	Approved Agriculture elective(s)	2-3

**Subtotal: 48-49**

**Natural Resource Management Option**

Students pursuing the Natural Resource Management option combine a strong science foundation with an understanding of agriculture and resource management to prepare for employment as a soil conservationist in government service, such as the Natural Resource Conservation Service (NRCS).

*Students will be required to take GIS 380 – Applied Arc GIS as part of the Agricultural Studies core curriculum. Students will be required to take GEOL 105, GEOL 105L – Physical Geology and Lab as the General Education science elective. If not taken as a General Education class, it must be taken to fulfill the Natural Resource Management option requirements.*

AGEC 422	Resource Economics and Environmental Protection	3
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
GIS 382	Applied GPS	3
PLSC 225	Principles of Crop Production	3
PLSC 323	Principles Of Weed Science	3
RNG 350	Range Plants and Communities	3
RNG 436	Range and Pasture Management	3
RNG 458	Rangeland Ecology	3
SOIL 321	Soil Management and Conservation	3
SOIL 444	Soil Genesis and Survey	4

**Two pairs from the following three choices (9-10 credits):**

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
	Or	
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
	Or	
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1

**At least five to six credits from the following choices:**

BIOL 250	Wildlife Management	3
BIOL 254	Introduction to Botany	4
BIOL 415	Ecology	4
GEOL 311	Process Geomorphology	4
GEOL 330	Physical Geology of North Dakota	3
GIS 480	GPS/GIS II	3
PLSC 235	Field Scouting Techniques	2
PLSC 486	Forages and Forage Systems	3
SOIL 322	Soil Fertility and Fertilizers	3
SOIL 350	Soil Health and Productivity	3
SOIL 455	Soil Microbiology	3

**Subtotal: 46-48**

**Range Management Option**

Students pursuing the Range Management option combine a strong science foundation with an understanding of agriculture and resource management to prepare for employment as a range conservationist in government service of perennial grasslands, such as the U.S. Forest Service (USFS), Bureau of Land Management (BLM) and Natural Resource Conservation Service (NRCS).

*Students will be required to take GIS 380 – Applied Arc GIS as part of the Agricultural Studies core curriculum.*

They will be required to take GEOL 105, GEOL 105L – Physical Geology and Lab in the General Education requirements. If not taken as a General Education class, it must be taken to fulfill the Range Management option requirements.

AGEC 422	Resource Economics and Environmental Protection	3
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 250	Wildlife Management	3
BIOL 254	Introduction to Botany	4
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
GIS 382	Applied GPS	3
RNG 350	Range Plants and Communities	3
RNG 436	Range and Pasture Management	3
RNG 446	Advance Range and Forage Planning	1-2
RNG 453	Rangeland Resources Watershed Management	3
RNG 457	Range Reclamation and Restoration	3
RNG 458	Rangeland Ecology	3
RNG 480	Conflict Resolutions in Agriculture	1

**One course from the following two courses (3 credits):**

PLSC 323	Principles Of Weed Science	3
PLSC 486	Forages and Forage Systems	3

**One course from the following two courses (1 credit):**

RNG 451	Range Monitoring Techniques	1
RNG 496	Summer Field Study One Credit Required	1-6

**Two courses from the following four courses (6 credits):**

SOIL 321	Soil Management and Conservation	3
SOIL 350	Soil Health and Productivity	3
SOIL 444	Soil Genesis and Survey	4
SOIL 455	Soil Microbiology	3

**Subtotal: 49-51**

**Soil Science Option**

Students pursuing the Soil Science option combine a strong science foundation with an understanding of soils, agriculture and resource management to prepare for employment as a soil scientist in government service.

Students will be required to take GIS 380 – Applied Arc GIS as part of the Agricultural Studies core curriculum. They will be required to take GEOL 105, GEOL 105L – Physical Geology and Lab as the General Education science elective. If not taken as a General Education class, it must be taken to fulfill the Soil Science option requirements.

CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
GEOL 311	Process Geomorphology	4
GEOL 320	Hydrogeology	3
SCNC 315	Weather and Climate	3

**Select four of the five following courses (12-13 credits):**

SOIL 321	Soil Management and Conservation	3
SOIL 322	Soil Fertility and Fertilizers	3

SOIL 350	Soil Health and Productivity	3
SOIL 444	Soil Genesis and Survey	4
SOIL 455	Soil Microbiology	3

**One course from the following two courses (3 credits):**

GIS 382	Applied GPS	3
GIS 480	GPS/GIS II	3

**One course from the following two courses (3 credits):**

PLSC 225	Principles of Crop Production	3
RNG 350	Range Plants and Communities	3

**Two pairs of courses from the following choices (8 credits):**

BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab Or	1
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab Or	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1

**Subtotal: 46-47**

**Equine Option**

Students pursuing the Equine option combine business, production and resource management as they relate to horses and horse production to prepare for employment managing an equine-related business.

Some of the classes in this option are only available in an online format. Additional fees will apply for the delivery of these online courses.

AGEC 142	Agricultural Accounting	3
AGEC 246	Introduction to Agricultural Finance	3
AGEC 375	Applied Agricultural Law	3
ANSC 164	Equine Behavior, Groundwork and Safety	2
ANSC 260	Introduction to Equine Studies	3
ANSC 261	Basic Equitation and Horsemanship	2
ANSC 265	Equine Marketing	2
ANSC 268	Basic Colt Training	3
ANSC 368	Advanced Colt Training	3
ANSC 420	Animal Genetics and Applied Animal Breeding	3
ANSC 463	Physiology of Reproduction	3
ANSC 463L	Physiology of Reproduction Laboratory	1
ANSC 466	Advanced Equine Nutrition	3
PLSC 225	Principles of Crop Production	3
PLSC 486	Forages and Forage Systems	3

**One course from the following two courses (2-3 credits):**

ANSC 123	Feeds and Feeding	3
ANSC 160	Equine Nutrition	2

**Two courses from the following five courses (4 credits):**

ANSC 161	Equine Business Management	2
ANSC 162	Equine Reproduction	2
ANSC 262	Equine Anatomy and Selection	2
ANSC 263	Stallion Management	2
ANSC 267	Equine Facility Management	2

**One course from the following two courses (2-3 credits):**

ANSC 163	Equine Health and Disease	2
VETS 339	Animal Health	3

**Subtotal: 48-50**

**General Agriculture Option**

Students pursuing the General Agriculture option combine business, production and resource management as they relate to agriculture in the North Great Plains. Employment opportunities include agricultural education and extension.

*Students will be required to take GIS 380 – Applied Arc GIS and COMM 216 – Intercultural Communication as part of the Agricultural Studies core curriculum.*

*Students will be required to take BIOL 111/BIOL 111L – Concepts of Biology and Lab, CHEM 115/CHEM 115L – Introduction to Chemistry and Lab, and PSYC 111 – Introduction to Psychology as part of General Education curriculum. If not taken as a General Education class, it must be taken to fulfill the General Agriculture option requirements. Students pursuing a Masters of Education in Agricultural Education from NDSU must also complete the Agricultural Education minor.*

AGEC 244	Introduction to Agricultural Marketing	3
ASM 155	Agricultural Welding	3
ASM 255	Advanced Welding	2
HORT 270	Horticulture Science	3

If pursuing a Masters of Education in Agricultural Education from NDSU, the following three courses are required. If not, seven additional credits of agricultural electives are required, of which three must be at the 300- or 400- level.

EDUC 250	Introduction to Education with Field Experience	4
H&CE 232	Philosophy and Policy	3
H&CE 322	Agriculture Educational Psychology	3

**Choose course not taken in agricultural core curriculum (3 credits):**

ANSC 114	Introduction to Animal Science	3
	Or	
ANSC 123	Feeds and Feeding	3

**Choose ASM or GIS Electives (6 credits):**

Select six credits of electives in ASM (Agricultural Systems Management) or GIS (Geographical Information Systems) courses. Three of these credits must be at the 300- or 400- course level.

**Choose Agricultural Electives (15 Credits):**

Select 15 credits of electives in AGECE (Agricultural Economics), ANSC (Animal Science), PLSC (Plant Science), RNG (Range Science), SOIL (Soil Science) or VETS (Veterinary Science) courses. All of these credits must be at the 300- or 400-course level. No more than six credits of agricultural electives can be taken from any one prefix.

**Subtotal: 42-45**

**Agricultural Communication Option**

Students pursuing the Agricultural Communication option combine a strong foundation in agricultural production, business, and resource management with the communication skills necessary to become effective in public relations and advocacy regarding agriculture and natural resource issues in the Northern Great Plains.

*Students will be required to take BIOL 111/BIOL 111L - Concepts of Biology and Lab, BIOL 150/BIOL 150L - General Biology I and Lab or BIOL 151/BIOL 151L - General Biology II and Lab as part of General Education curriculum. If not taken as a General Education class, it must be taken to fulfill the Agricultural Communication option requirements.*

*A Bachelor of Science degree in Agricultural Studies with an option in Agricultural Communication requires students to complete a minor in some form of communication (e.g. Communication minor).*

CHEM 115	Introductory Chemistry	3
CHEM 115L	Introductory Chemistry Lab	1
HORT 270	Horticulture Science	3

**Choose course not taken in agricultural core curriculum (3 credits):**

ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3

**Choose agricultural electives (12 credits):**

Select 12 credits of 300- or 400- course level electives in AGECE (Agricultural Economics), ANSC (Animal Science), GIS (Geographic Information Systems), PLSC (Plant Science), RNG (Range Science), SOIL (Soil Science), or VETS (Veterinary Science) courses. No more than six credits of agricultural electives can be taken from any one prefix.

**Total Credit Hours: 43**

## **ASSOCIATE IN SCIENCE DEGREE - AGRICULTURAL SALES AND SERVICE**

### **Degree Requirements:**

General Education Courses  
Core Curriculum  
Option(s) Courses

### ***Degree with Equine Management and Equine Training Options available online***

### **Student Learning Outcomes**

Agricultural Sales and Service graduates will be able to demonstrate a/an:

1. Basic proficiency in a wide range of specific approved practices in agricultural production, business, and resource management. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
2. Basic proficiency in the use of financial and GIS computer software. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
3. Ability to develop and implement a herd health program and/or a crop rotational plan for production agriculture. (This learning outcome directly addresses Institutional Learning Outcomes II, III, IV, and VI.)
4. Ability to develop and use the newest marketing and management tools to make more effective marketing and management decisions. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
5. Basic understanding of specific livestock and farm production practices of the Northern Great Plains. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI.)

### **REQUIREMENTS**

#### **Agricultural Sales and Services Core Curriculum**

AGEC 241	Introduction to Agricultural Economics	3
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#### **One course from the following two courses (3 credits):**

ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3

#### **One course from the following two courses (3 credits):**

BOTE 247	Spreadsheet Applications	3
CSCI 200	Database Software Applications	3

**Subtotal: 9**

### **OPTIONS**

Students must select and complete at least one option (Agricultural Business Management, Natural Resource, Production Agriculture, Technology in Agriculture, Equine Management, or Equine Training) to complete the Associate in Science degree in Agricultural Sales and Service.

The online courses in the Equine options will have substantial attached fees. Contact the Department of Agriculture and Technical Studies for more information.

### **Agricultural Business Management Option**

Students pursuing the Agricultural Business Management option combine business techniques with knowledge of agricultural production to prepare for employment in an agriculturally related business.

AGRI 297	Agricultural Management Internship; Externship; Cooperative Education	1-6
	Two Credits Required	
GIS 381	Geographic Information Systems for Business	3
H&CE 241	Leadership and Presentation Techniques	3
PLSC 110	World Food Crops	3
SOIL 210	Introduction to Soil Science	4

#### **One course from the following two courses (3 credits):**

AGEC 142	Agricultural Accounting	3
AGEC 246	Introduction to Agricultural Finance	3

#### **One course from the following two courses (3 credits):**

ANSC 220	Livestock Production	3
PLSC 225	Principles of Crop Production	3

**Subtotal: 21**

### **Natural Resource Option**

Students pursuing the Natural Resource option combine business techniques with knowledge of agricultural production to prepare for further education in the fields of natural resource, range and soils management.

GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GIS 380	Applied Arc GIS	3
H&CE 241	Leadership and Presentation Techniques	3
PLSC 110	World Food Crops	3
SOIL 210	Introduction to Soil Science	4

#### **One pair of courses from the following two pairs of courses (4-5 credits):**

BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
	OR	
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1

**Subtotal: 21-22**

### **Production Agriculture Option**

Students pursuing the Production Agriculture option combine a strong foundation in agricultural production with business techniques necessary for employment in agricultural production.

AGEC 142	Agricultural Accounting	3
AGEC 246	Introduction to Agricultural Finance	3
H&CE 241	Leadership and Presentation Techniques	3
PLSC 110	World Food Crops	3
SOIL 210	Introduction to Soil Science	4

#### **Choose course not taken in agricultural core curriculum (3 credits):**

ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3

**One course from the following two courses (3 credits):**

ANSC 220	Livestock Production	3
PLSC 225	Principles of Crop Production	3

**Subtotal: 22****Technology in Agriculture Option**

Students pursuing the Technology in Agriculture option are exposed to agricultural production techniques and the technologies involved in geographic information systems and precision agriculture.

AGRI 280	Technology in Agriculture	3
AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
GIS 380	Applied Arc GIS	3
GIS 382	Applied GPS	3
H&CE 241	Leadership and Presentation Techniques	3
PLSC 110	World Food Crops	3

**Choose course not taken in agricultural core curriculum (3 credits):**

BOTE 247	Spreadsheet Applications	3
CSCI 200	Database Software Applications	3

**Subtotal: 20****Equine Management Option - Available Online**

Students pursuing the Equine Management option combine business techniques and production practices to prepare for employment managing an equine-related facility.

*All of the classes in this option are only available in an online format. Additional fees will apply for the delivery of these online courses.*

ANSC 160	Equine Nutrition	2
ANSC 161	Equine Business Management	2
ANSC 162	Equine Reproduction	2
ANSC 163	Equine Health and Disease	2
ANSC 164	Equine Behavior, Groundwork and Safety	2
ANSC 262	Equine Anatomy and Selection	2
ANSC 263	Stallion Management	2
ANSC 270	Equine Training Theory I	2
ANSC 271	Equine Training Theory II	2

**One course from the following two courses (2 credits):**

ANSC 265	Equine Marketing	2
ANSC 267	Equine Facility Management	2

**Subtotal: 20****Equine Training Option - Available Online**

Students pursuing the Equine Training option combine business and production practices with a training series to prepare for employment in an equine training business.

*All of the classes in this option are only available in an online format. Additional fees will apply for the delivery of these online courses.*

ANSC 160	Equine Nutrition	2
ANSC 161	Equine Business Management	2
ANSC 163	Equine Health and Disease	2
ANSC 164	Equine Behavior, Groundwork and Safety	2
ANSC 262	Equine Anatomy and Selection	2

ANSC 265	Equine Marketing	2
ANSC 272	Equine Training Techniques I	2
ANSC 273	Equine Training Techniques II	2
ANSC 274	Equine Training Techniques III	2
ANSC 275	Equine Training Techniques IV	2

**Subtotal: 20****AGRI-BUSINESS MINOR**

This minor provides an overview of the business side of agricultural production.

**REQUIREMENTS****Courses**

AGEC 244	Introduction to Agricultural Marketing	3
AGEC 246	Introduction to Agricultural Finance	3
AGEC 342	Introduction to Agricultural Management	3
AGEC 387	Commodity Futures and Options	3
H&CE 241	Leadership and Presentation Techniques	3

**Select at least nine credit hours from the following (9-10 credits):**

AGEC 474	Cooperatives	3
AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
RNG 236	Introduction to Range Management	4
SOIL 210	Introduction to Soil Science	4
SOIL 321	Soil Management and Conservation	3
SOIL 322	Soil Fertility and Fertilizers	3

**Total Credit Hours: 24-25****AGRICULTURAL EDUCATION MINOR**

This minor is required exclusively for students who desire to pursue a Masters of Education in Agricultural Education through a collaborative program with North Dakota State University.

To facilitate entry into this collaborative program, students will:

- Apply to DSU/NDSU Ag Education Teacher License Program (Masters of Education in Agricultural Education) in the spring of their junior year.
- Have a 3.00 GPA at the time of application.
- Have completed or are currently enrolled in EDUC 250, H&CE 232 and H&CE 322.
  - Have passing Praxis/ ACT scores.

Following admission to the program, students would continue with undergraduate agriculture courses at DSU and begin taking 600 level education courses via distance from NDSU. Students would be expected to complete their undergraduate degree requirements by the end of their fourth year.

Their fifth year would be entirely dedicated to 600 level coursework in preparation for student-teaching during the spring of their fifth year. In order to remain in the program, students' GPA must remain above 3.00 per requirements of NDSU Graduate School.

## REQUIREMENTS

### Core Courses

ANSC 114	Introduction to Animal Science	3
ASM 155	Agricultural Welding	3
EDUC 250	Introduction to Education with Field Experience	4
PLSC 110	World Food Crops	3

### Electives

Restricted electives in EDUC and H&CE offered through NDSU\* (13-14 credits)

EDUC 651*	Instructional Planning, Methods and Assessment	3
EDUC 661*	Special Education: Exceptionalities and Education	2
H&CE 680*	Science, Technology, Engineering and Mathematics Teaching Methods in Agricultural Education	3

Choose one course from the following two courses:

H&CE 644*	Planning the Community Program in Agricultural Education	3
H&CE 646*	Extension Education	2

Choose one course from the following two courses:

EDUC 686*	Classroom Management for Diverse Learners	3
EDUC 689*	Teaching Students of Diverse Backgrounds	3

**Total Credit Hours: 26-27**

## EQUINE MINOR

This minor provides an overview of equine production and management.

### REQUIREMENTS

#### Courses

ANSC 420	Animal Genetics and Applied Animal Breeding	3
ANSC 466	Advanced Equine Nutrition	3

**One course from the following two courses (2-3 credits):**

ANSC 123	Feeds and Feeding	3
ANSC 160	Equine Nutrition	2

**Six courses of the following ten courses (12-13 credits):**

ANSC 161	Equine Business Management	2
ANSC 162	Equine Reproduction	2
ANSC 163	Equine Health and Disease	2
ANSC 164	Equine Behavior, Groundwork and Safety	2
ANSC 260	Introduction to Equine Studies	3
ANSC 261	Basic Equitation and Horsemanship	2
ANSC 262	Equine Anatomy and Selection	2

ANSC 263	Stallion Management	2
ANSC 265	Equine Marketing	2
ANSC 267	Equine Facility Management	2
ANSC 361	Intermediate Horsemanship	2

**One pair of courses from the following choices (4-6 credits):**

ANSC 270	Equine Training Theory I	2
ANSC 271	Equine Training Theory II	2
Or		
ANSC 272	Equine Training Techniques I	2
ANSC 273	Equine Training Techniques II	2
Or		
ANSC 268	Basic Colt Training	3
ANSC 368	Advanced Colt Training	3

**Total Credit Hours: 24-28**

## GEOGRAPHICAL INFORMATION SYSTEMS (GIS) MINOR

This minor provides the tools and techniques related to the use of geographic information systems (GIS) software and global positioning system (GPS) related data.

### REQUIREMENTS

#### Courses

CSCI 120	Computer Programming I	3
CSCI 200	Database Software Applications	3
GEOG 121	Physical Geography	3
GIS 380	Applied Arc GIS	3
GIS 382	Applied GPS	3
GIS 480	GPS/GIS II	3

**Minimum of eight credit hours of the following choices:**

CSCI 160	Computer Science I	4
CSCI 360	Database Management	4
GEOL 311	Process Geomorphology	4

**Total Credit Hours: 26**

## SOILS MINOR

This minor provides an in-depth exposure to soil management, health and productivity.

### REQUIREMENTS

#### Courses

GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GEOL 311	Process Geomorphology	4
SOIL 210	Introduction to Soil Science	4

**Take four of the five following courses (12-13 credits):**

SOIL 321	Soil Management and Conservation	3
SOIL 322	Soil Fertility and Fertilizers	3
SOIL 350	Soil Health and Productivity	3
SOIL 444	Soil Genesis and Survey	4
SOIL 455	Soil Microbiology	3

**Total Credit Hours: 24-25**

## FARM AND RANCH MANAGEMENT CERTIFICATE PROGRAM

This certificate is designed to give a student a basic understanding of farm and ranch production in the Northern Great Plains.

### Degree Requirements:

Certificate Program Courses

Summer Internship

The Farm and Ranch Management Certificate Program will offer students the opportunity to receive production agricultural education and training designed to enhance production efficiencies. Students enrolled in this program will receive a certificate upon successful completion of the requirements of this program.

### Student Learning Outcomes

Farm and Ranch Management completers will be able to demonstrate a/an:

- Objective and up-to-date understanding of the issues facing modern agriculture and be able to present both the pros and cons of proposed solutions to these issues. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
- Basic proficiency in a wide range of specific approved practices in production agriculture. (This learning outcome directly addresses Institutional Learning Outcomes II and VI.)
- Basic proficiency in the use of financial and precision farming computer software. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
- Be able to develop and use the newest marketing and management tools to make more effective marketing and management decisions. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
- Basic proficiency in using both arc and wire welders in all positions. (This learning outcome directly addresses Institutional Learning Outcomes II and VI.)

### REQUIREMENTS

#### Farm and Ranch Management Certificate Courses

AGEC 241	Introduction to Agricultural Economics	3
AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
ASM 155	Agricultural Welding	3
COMM 110	Fundamentals Of Public Speaking	3
H&CE 241	Leadership and Presentation Techniques	3
PLSC 110	World Food Crops	3
SOIL 210	Introduction to Soil Science	4
UNIV 100	Freshman Seminar	1

#### One course from the following two courses (3 credits):

AGEC 142	Agricultural Accounting	3
AGEC 246	Introduction to Agricultural Finance	3

#### One course from the following two courses (2-4 credits):

ASC 093	Algebra Prep III No University Credit Granted - Developmental Course	2
MATH 103	College Algebra	4

Choose course based upon ACT score or Math Placement score.

#### One course from the following two courses (3 credits):

ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3

#### One course from the following two courses (3 credits):

AGRI 280	Technology in Agriculture	3
GIS 382	Applied GPS	3

#### One course from the following two courses (3 credits):

ASC 087	College Writing Preparation No University Credit Granted - Developmental Course	3
ENGL 110	College Composition I	3

**Total Credit Hours: 36-38**

Choose course based upon ACT score or English Placement score.

## HORSE PRODUCTION CERTIFICATE PROGRAM

This certificate is designed to give a student a basic understanding of horses and horse production to enhance their understanding of the equine industry.

The Horse Production Certificate Program will offer students the opportunity to receive equine production education. Students enrolled in this program will receive a certificate upon successful completion of the requirements of this program.

*Certificate is available DSUlive and online.*

### REQUIREMENTS

#### Courses

ANSC 114	Introduction to Animal Science	3
ANSC 160	Equine Nutrition	2
ANSC 162	Equine Reproduction	2
ANSC 163	Equine Health and Disease	2
ANSC 164	Equine Behavior, Groundwork and Safety	2
ANSC 263	Stallion Management	2
ANSC 265	Equine Marketing	2

**Total Credit Hours: 15**



## WELDING TECHNOLOGY CERTIFICATE

The one-year Welding Technology certificate is designed for high school graduates looking to pursue a “for college credit” option that will prepare them for a career as a well-rounded welder in Western North Dakota. The purpose of the program is to provide a continuous flow of new welders to support manufacturing and energy industries in the region. The certificate will consist of progressive instruction in the four main welding positions using Shielded (SMA) and Gas (GMA) Metal, Gas Tungsten (GTA), Plasma (PA) and Flux Cored (FCA) Arc, and Oxyacetylene (OA) welding and cutting techniques.

### REQUIREMENTS

#### Courses

WELD 151	Welding Principles and Applications I	2
WELD 153	Mathematics for Welders and Welding Symbols I	2
WELD 154	Mathematics for Welding and Print Reading	2
WELD 161	Welding I	4
WELD 162	Welding II	4
WELD 251	Welding Principles and Applications II	2
WELD 253	Basic Metallurgy	3
WELD 254	Introduction to Computer-Aided Drafting	3
WELD 261	Welding III	4
WELD 262	Welding IV	4

**Total Credit Hours: 30**

## PRE-PROFESSIONAL STUDIES (AGRICULTURAL TRANSFER)

With the Memorandum of Understanding for dual admission and the “articulation” of agricultural courses transfer credits between institutions, students can take their first two years of agricultural studies at Dickinson State University. Upon successful completion of this program, the student may transfer to North Dakota State University (NDSU) and complete the requirements for the Bachelor of Science Degree in Agriculture offered at NDSU.

### REQUIREMENTS

#### Recommended Agricultural Transfer Curriculum - Genera Education Courses

Written and Oral Communication - 9-12  
Math: College Algebra or Statistics - 3-6  
Science: Biology and/or Chemistry - 4-9  
Social Behavior/Science and Humanities - 9-12  
Physical Education/Wellness - 2

**Total Credit Hours: 27-41**

#### Core Agricultural Courses

GIS 380	Applied Arc GIS	3
H&CE 241	Leadership and Presentation Techniques	3
RNG 236	Introduction to Range Management	4
SOIL 210	Introduction to Soil Science	4

#### One course from the following two courses (3 credits):

ANSC 114	Introduction to Animal Science	3
PLSC 110	World Food Crops	3

#### One course from the following three courses (3 credits):

ANSC 123	Feeds and Feeding	3
ANSC 220	Livestock Production	3
PLSC 225	Principles of Crop Production	3

#### One course from the following two courses (3 credits):

PLSC 323	Principles Of Weed Science	3
VETS 339	Animal Health	3

**Subtotal: 23**

It is recommended that students choose additional agricultural courses from the Department of Agriculture and Technical Studies to support their career plans.

Additional agricultural courses recommended (9-12 credits)

**Total Credit Hours: 59-76**

## DEPARTMENT OF ARTS AND LETTERS

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### College of Arts and Sciences

#### Faculty

Full-time Faculty: J. Wohletz - Chair, E. Grabowsky, B. Hirth, K. Moberg, B. Rogers, M. Stevier-Johanson, G. Walter

#### Mission

The Department of Arts and Letters provides highly beneficial courses and programs that contribute to the quality of life for the students and members of the Dickinson State University community and the residents of Southwestern North Dakota. Our curriculum provides the basis for a liberal arts education and cultivates an understanding and appreciation of different forms of communication and artistic and creative endeavors. Small classes and exceptional faculty help students develop and improve a wide range of skills, that include,

- critical thinking, writing, and speaking
- inquiry, analysis, and production of creative works
- understanding and analysis of human expressions in cultures and societies
- appreciation of the importance of empathy

#### Participation in Writing Across the Curriculum and Writing in the Disciplines

By completing the designated courses for Art (p. 26), Communication (p. 26), Music (p. 26), or Theatre (p. 26), English (p. 27) degree programs, students will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum section of the catalog for the designated courses used to meet writing requirements for your program plan. Course descriptions will also identify courses that are part of the writing program.

**Bachelor of Arts degrees** in English requires completion of general education program requirements, major and minor requirements, and 8 hours of a foreign language.

#### ART

#### ART MINOR

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This minor is extremely versatile and can be combined with several majors on campus, including Psychology, for those interested in Art Therapy. Students pursuing this minor learn creativity, critical thinking skills, and confidence which are qualities sought after by employers. Other possible career paths include photography, illustration, and graphic design.

#### REQUIREMENTS

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Students must earn a grade of "C" or better in all required courses in this program.

#### Courses

ART 110	Introduction To The Visual Arts	3
ART 122	Two-Dimensional Design	3
ART 130	Drawing I	3
ART 250	Ceramics I	3
ART 210	Art History I	3
	Or	
ART 211	Art History II	3
	Or	
ART 310	Modern Art History	3
ART 411	Senior Exhibition	1

**Subtotal: 16**

#### Select two of the following courses:

ART 281	Introduction to Digital Photography	3
ART 299	Special Topics, Readings Three Credits Required	1-6

GDES 241	Graphic Design I	3
GDES 343	Graphic Design III	3
GDES 347	Web Design	3
GDES 350	Typography	3
THEA 270	Stagecraft	3

**Subtotal: 6**

**Total Credit Hours: 22**

#### COMMUNICATION

The Dickinson State University Communication program provides instruction which will lead to careers in government, or in the professional world. The instruction may also prepare the student to pursue graduate work. The program is committed to an instructional program which combines traditional coursework with opportunities for practical application of skills. In addition, the program serves the general education needs of the University with fundamentals courses.

#### BACHELOR OF ARTS DEGREE - COMMUNICATION

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With the study of the theory, practice, and ethics of communication, this degree gives to students a thorough training in becoming a better communicator across various contexts. Many employers are seeking good communication skills, which makes this degree useful for several professions. To complete this degree, students much choose one of three options (Corporate Communication, Digital Communication, or Public Communication). Depending on the selection of courses by students, each the three options for the Bachelor of Arts in Communication allows for the completion of a Digital Communication Certificate. Because of the overall degree requirements with each option, a minor or second major is not required for this degree.

**Degree Requirements:**

General Education Courses  
Major Core Courses  
Major Track Courses  
Foreign Language Requirement  
Electives

**Degree available DSUlive****Student Learning Outcomes**

The graduate from this program will have demonstrated that they can:

Develop and deliver effective and ethical speeches of informative, persuasive and ceremonial function. (This learning outcome addresses Institutional Learning Outcomes II, III, V, VI, and VII.)

Use communication theories to analyze and evaluate public, interpersonal, group, intercultural and mediated interactions. (This learning outcome addresses Institutional Learning Outcomes I, II, III, and V.)

Participate in effective dyadic and group interpersonal communication to appropriately manage task objectives and social relationships. (This learning outcome addresses Institutional Learning Outcomes I, III, IV, V, and VII.)

Use empathy and adaptation to initiate and develop effective interactions within and across varying cultures. (This learning outcome addresses Institutional Learning Outcomes I, IV, V, VI, and VII.)

Articulate and apply theory and research for the study and practice of human communication. (This learning outcome addresses Institutional Learning Outcomes I, II, V, VI, and VII.)

**REQUIREMENTS**

Students must earn a grade of "C" or higher in all required courses in this program.

The following are required as part of general education:

**General Education**

COMM 110	Fundamentals Of Public Speaking	3
COMM 211	Oral Interpretation	3
COMM 216	Intercultural Communication	3
COMM 280	Understanding Film and Television	3

**Subtotal: 12****Required Core Classes**

COMM 212	Interpersonal Communication	3
COMM 235	Introduction to Digital Media	3
COMM 313	Persuasion	3
COMM 320	Contemporary Communication	3
COMM 410	Public Relations	3
COMM 497	Communication Internship, Externship, Cooperative Education Three Credits Required	1-6
ENGL 300	Professional and Technical Writing	3

**Subtotal: 33****MUST CHOOSE ONE OPTION****Option 1 - Corporate Communication**

Corporate Communication Option Required Courses

BADM 336	Management and Leadership	3
BADM 356	Organizational Behavior	3
BOTE 210	Business Communication	3
COMM 317	Organizational and Group Communication	3
MRKT 301	Principles of Marketing	3
MRKT 340	Advertising, Sales Promotion, and Digital Media	3
MRKT 466	Consumer Behavior and Consumption	3

**Subtotal: 21**

Corporate Communication Electives

Students must choose 21 credits from the following list:

ART 122	Two-Dimensional Design	3
ART 281	Introduction to Digital Photography	3
BADM 346	Human Resource Management	3
BADM 357	Visual Merchandising, Design, and Storytelling	3
BADM 364	Electronic Commerce	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 420	International Management	3
BADM 455	International Business	3
BOTE 218	Desktop Publishing	3
BOTE 247	Spreadsheet Applications	3
COMM 308	Argumentation	3
COMM 310	Advanced Public Speaking	3
COMM 380	Video Production	3
ENTR 366	Entrepreneurship	3
GDES 241	Graphic Design I	3
GDES 347	Web Design	3
MRKT 357	International Marketing	3

**Subtotal: 21****Option 2 - Digital Communication**

Digital Communication Option Required Courses

ART 122	Two-Dimensional Design	3
BADM 364	Electronic Commerce	3
BADM 388	Management Information Systems	3
BOTE 218	Desktop Publishing OR	3
GDES 241	Graphic Design I	3
GDES 347	Web Design	3
MRKT 301	Principles of Marketing	3
MRKT 340	Advertising, Sales Promotion, and Digital Media	3

**Subtotal: 21**

## Digital Communication Electives

Students must choose 21-23 credits from the following list:

ART 281	Introduction to Digital Photography	3
BOTE 210	Business Communication	3
BOTE 218	Desktop Publishing OR	3
GDES 241	Graphic Design I	3
BOTE 247	Spreadsheet Applications	3
COMM 310	Advanced Public Speaking	3
COMM 317	Organizational and Group Communication	3
COMM 380	Video Production	3
CSCI 120	Computer Programming I	3
CSCI 160	Computer Science I	4
CSCI 181	Web Management	3
MATH 103	College Algebra	4

**Subtotal: 21-23**

Student may complete BOTE 218 and GDES 241 for Digital Option Core or Digital Option electives. Each course can be counted for one requirement only.

**Option 3 - Public Communication**

Public Communication Option Required Courses

COMM 308	Argumentation	3
COMM 310	Advanced Public Speaking	3
COMM 317	Organizational and Group Communication	3
POLS 115	American Government	3
POLS 240	Political Ideologies	3
POLS 315	Public Opinion	3
POLS 330	History of Political Thought	3

**Subtotal: 21**

Public Communication Electives

Students must choose 21 credits from the following list:

ACCT 315	Business Law I	3
ACCT 316	Business Law II	3
BADM 336	Management and Leadership	3
BADM 346	Human Resource Management	3
BADM 356	Organizational Behavior	3
BADM 369	Business Ethics and Critical Thinking	3
BOTE 210	Business Communication	3
BOTE 218	Desktop Publishing	3
COMM 380	Video Production	3
ENGL 211	Introduction to Creative Writing	3
POLS 340	American Political Parties and Elections	3
POLS 347	The Judicial System	3
POLS 348	The Bureaucracy	3
POLS 350	International Relations	3
POLS 360	Comparative Government	3
POLS 432	Public Policy	3

**Subtotal: 21****Total Credit Hours: 87-89****ASSOCIATE IN ARTS DEGREE -  
COMMUNICATION OPTION**

This program is for students interested in increasing their communication skills overall. Many jobs need individuals with written and oral presentation skills tailor to a specific audience. This degree can also be used as a starting point from which to add on a B.A. in Communication after completing the A.A. degree

**Student Learning Outcomes:**

The graduate from this program will have demonstrated that they can:

1. Develop and deliver effective and ethical speeches of informative, persuasive and ceremonial function. (This learning outcome addresses Institutional Learning Outcomes II, III, V, VI, and VII.)
2. Use communication theories to analyze and evaluate public, interpersonal, group, intercultural and mediated interactions. (This learning outcome addresses Institutional Learning Outcomes I, II, III, and V.)
3. Participate in effective dyadic and group interpersonal communication to appropriately manage task objectives and social relationships. (This learning outcome addresses Institutional Learning Outcomes I, III, IV, V, and VII.)
4. Use empathy and adaptation to initiate and develop effective interactions within and across varying cultures. (This learning outcome addresses Institutional Learning Outcomes I, IV, V, VI, and VII.)

**DEGREE REQUIREMENTS**

General Education Courses

Major Courses

Electives

***Degree available DSUlive*****Core Courses**

Students must earn a grade of "C" or higher in all required courses for this program.

ART 122	Two-Dimensional Design	3
BOTE 210	Business Communication	3
COMM 211	Oral Interpretation	3
COMM 212	Interpersonal Communication	3
COMM 216	Intercultural Communication	3
COMM 280	Understanding Film and Television	3
GDES 241	Graphic Design I	3
THEA 161	Acting I	3

**Subtotal: 24****Electives**

Select two of the following four courses (for 6 credits total):

BOTE 218	Desktop Publishing	3
COMM 235	Introduction to Digital Media	3

COMM 297	Communication Internship, Externship, Cooperative Education Three Credits Required	1-6
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GDES 347	Web Design	3
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**Subtotal: 6****Total Credit Hours: 30**

## APPLIED DIGITAL COMMUNICATION MINOR (PENDING SBHE APPROVAL)

The Applied Digital Communication minor provides an opportunity for students to apply the study and practice of digital communication to specific areas of academic and professional interest. The completion of this minor includes the completion of a Digital Communication Certificate.

### REQUIREMENTS

Students must earn a grade of "C" or higher in all required courses in this program.

#### Courses

BOTE 218	Desktop Publishing	3
COMM 212	Interpersonal Communication	3
COMM 235	Introduction to Digital Media	3
ENGL 300	Professional and Technical Writing	3
COMM 320	Contemporary Communication	3

COMM 497	Communication Internship, Externship, Cooperative Education Three Credits Required	1-6
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**Subtotal: 18**

#### Electives

Student must select 8-9 credits from list below:

ART 122	Two-Dimensional Design	3
ART 281	Introduction to Digital Photography	3
BADM 364	Electronic Commerce	3
BOTE 210	Business Communication	3
COMM 280	Understanding Film and Television	3
COMM 308	Argumentation	3
COMM 310	Advanced Public Speaking	3
COMM 313	Persuasion	3
COMM 380	Video Production	3
COMM 410	Public Relations	3
GDES 241	Graphic Design I	3
GDES 347	Web Design	3
MRKT 301	Principles of Marketing	3
SCNC 389	Scientific Writings and Readings	2

**Total Credit Hours: 26-27**

## COMMUNICATION MINOR

This minor is extremely versatile and can be combined with several majors on campus to give a well-rounded education. Students learn public speaking, research, analysis, and interpersonal communication, which are qualities sought after by employers.

### REQUIREMENTS

Students must earn a grade of "C" or higher in all required courses in this program.

#### Courses

COMM 211	Oral Interpretation	3
COMM 212	Interpersonal Communication	3
COMM 216	Intercultural Communication	3
COMM 280	Understanding Film and Television	3
COMM 313	Persuasion	3
COMM 320	Contemporary Communication	3
	Electives	6

Electives - Select from COMM courses numbered 200 or above.

**Total Credit Hours: 24**

## DIGITAL COMMUNICATION CERTIFICATE

This program is an increased focus on digital communication and social media. Employers seek people with skills in blog marketing, web content and web design maintenance. This certificate can be combined with other degrees for those seeking better ways to communicate in a digital format.

**Degree available DSUlive**

### REQUIRED COURSES

#### Core Courses

Students must earn a grade of "C" or higher in all required courses in this program.

BOTE 218	Desktop Publishing	3
COMM 212	Interpersonal Communication	3
COMM 235	Introduction to Digital Media	3
COMM 320	Contemporary Communication	3

ENGL 110	College Composition I Or	3
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ENGL 111H	Honors Composition I	3
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ENGL 120	College Composition II Or	3
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ENGL 121H	Honors Composition II	3
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ENGL 300	Professional and Technical Writing	3
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**Total Credit Hours: 21**

## ENGLISH

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - ENGLISH EDUCATION

Students study a wide range of writing styles and literature, along with the education curriculum, to prepare them to teach middle and high school students. Secondary teachers are always in demand throughout the country, so students with this degree have many career opportunities.

### Degree Requirements:

General Education Courses  
Major Courses  
Secondary Professional Education Sequence

**Degree available in Bismarck, DSUlive, and online**

### Student Learning Outcomes

*By "text" we mean discourse in any form relevant to the study of English language and literature, inclusive of primary and secondary literature, essays, and historical linguistic artifacts.*

Upon completion of the BSED program requirements, students will be proficient in these learning outcomes for the core courses:

1. Analyze texts and their component parts, applying appropriate literary terminology, and recognize relevant ideas, concepts, theories, and/or practical approaches evident in the text and different contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
2. Develop writing projects in interrelated stages (pre-writing, drafting, revising, editing) that show and understanding for writing as a process within a given rhetorical situation. (This learning outcome directly addresses Institutional Learning Outcomes III, and VII.)
3. Demonstrate ethical and informed research practices. (This learning outcome directly addresses Institutional Learning Outcomes II, V, and VI.)
4. Synthesize an original literary argument using one's ideas with primary and secondary sources. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI, and VII.)
5. Demonstrate a broad knowledge of British, American, and world literature, including their various periods, genres, and themes. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI, and VII.)
6. Demonstrate proficiency in each of the ten INTASC standards. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI, and VII.)

Upon completion of this program, students are able to enter the work world or pursue graduate or professional studies. Graduates can use their skills for careers as writers for corporate enterprises, for careers as college or university instructors, or for careers in legal professions.

## REQUIREMENTS

### English Education Major Courses Secondary Education

Students must earn a grade of "C" or higher in all required courses in this program. Students must also earn a grade of "C" or higher in ENGL 110: College Composition I (or ENGL 111H: Honors Composition) and ENGL 120: College Composition II (or ENGL 121H: Honors Composition II).

ENGL 240	Masterpieces of World Literature	3
ENGL 250	Masterpieces of British Literature	3
ENGL 260	Masterpieces of American Literature	3
ENGL 315	Structure and History of English	3
ENGL 320	Modern Grammar	3
ENGL 382	Adolescent Literature	3
ENGL 440	Literary Criticism	3
SEED 490L	Methods of Teaching Secondary Language Arts	3
SEED 490K	Methods of Teaching Secondary Communication	3

**Subtotal: 27**

### Select one of the following:

ENGL 350	Studies in American Literature	3
ENGL 355	Studies in Major American Writers	3
		<b>Subtotal: 3</b>

### Select one of the following:

ENGL 325	Shakespeare	3
ENGL 360	Studies in Drama	3
ENGL 370	Studies in Fiction	3
ENGL 380	Studies in Poetry	3
ENGL 405	British Medieval Literature	3
ENGL 415	British Renaissance Literature	3
ENGL 420	Brit Restoration & 18th Cent Literature	3
ENGL 425	British Romantic Literature	3
ENGL 430	British Victorian Literature	3
ENGL 435	Modern British Literature	3
		<b>Subtotal: 3</b>

It is highly recommended that English education majors select either ENGL 211 - Introduction to Creative Writing or ENGL 325 - Shakespeare for preparation to teach those topics in the secondary English language arts classroom.

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

### Pre-Professional Courses

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field Experience II	1

### Professional Courses in Disciplinary Methods Block (must be taken concurrently):

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

### Disciplinary Courses

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

### Additional Professional Courses:

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

### Student Teaching Semester

SEED 498	Teaching in the Secondary School	13
		<b>Subtotal: 41</b>

All professional courses have a prerequisite of admission to Teacher Education.

### Professional Course Electives

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3
		<b>Subtotal: 41-49</b>

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 74-82**

## BACHELOR OF ARTS DEGREE - ENGLISH

Students study a wide range of writing styles and literature, learning vital communication, analytical, and argumentation skills. Students can pursue many careers with this degree, including law, technical writing, public policy, management, and human resources. Since the degree develops essential skills, students are qualified for many different professional areas and can easily change careers.

### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirement  
Electives

### Degree available in Bismarck, DSUlive, and online

### Student Learning Outcomes

By "text" we mean discourse in any form relevant to the study of English language and literature, inclusive of primary and secondary literature, essays, and historical and linguistic artifacts.

Upon completion of the B.A English program requirements, students will be proficient in these learning outcomes for the core courses:

1. Analyze texts and their component parts, applying appropriate literary terminology, and recognize relevant ideas, concepts, theories, and/or practical approaches evident in the text and different contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
2. Develop writing projects in interrelated stages (pre-writing, drafting, revising, editing) that show and understanding for writing as a process within a given rhetorical situation. (This learning outcome directly addresses Institutional Learning Outcomes III, and VII.)
3. Demonstrate ethical and informed research practices. (This learning outcome directly addresses Institutional Learning Outcomes II, V, and VI.)

Students who select the Literature track will also be proficient in these additional learning outcomes:

1. Synthesize an original literary argument using one's ideas with primary and secondary sources. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI, and VII.)
2. Demonstrate a broad knowledge of British, American, and world literature, including their various periods, genres, and themes. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI, and VII.)

Students who select the Creative Writing track will also be proficient in these additional learning outcomes:

1. Produce original works in a variety of creative writing genres (including fiction, creative nonfiction, and poetry) that demonstrate an appreciation of contemporary generic conventions. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI, and VII.)
2. Provide informed and constructive criticism on peer work in a variety of creative writing genres, including poetry, fiction, and creative nonfiction. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
3. Perform levels of editing (developmental, copyediting, proofreading) on texts to prepare them for publication. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)

Upon completion of this program, students are able to enter the work world or pursue graduate or professional studies. Graduates can use their skills for careers as writers for corporate enterprises, for careers as college or university instructors, or for careers in legal professions.

## ENGLISH MAJOR COURSES

Students must earn a grade of "C" or higher in all required courses in this program. Students must also earn a grade of "C" or higher in ENGL 110: College Composition I (or ENGL 111H: Honors Composition) and ENGL 120: College Composition II (or ENGL 121H: Honors Composition II).

### Requirements

ENGL 240	Masterpieces of World Literature	3
ENGL 250	Masterpieces of British Literature	3
ENGL 260	Masterpieces of American Literature	3
ENGL 315	Structure and History of English	3
ENGL 320	Modern Grammar	3
ENGL 382	Adolescent Literature	3
ENGL 440	Literary Criticism	3
<b>Subtotal: 21</b>		

### Select one of the following:

ENGL 350	Studies in American Literature	3
ENGL 355	Studies in Major American Writers	3
<b>Subtotal: 3</b>		

### Select one of the following:

ENGL 325	Shakespeare	3
ENGL 405	British Medieval Literature	3
ENGL 415	British Renaissance Literature	3
ENGL 420	Brit Restoration & 18th Cent Literature	3
ENGL 425	British Romantic Literature	3
ENGL 430	British Victorian Literature	3
ENGL 435	Modern British Literature	3
<b>Subtotal: 3</b>		

### Select two of the following (not previously taken):

ENGL 325	Shakespeare	3
ENGL 350	Studies in American Literature	3
ENGL 355	Studies in Major American Writers	3
ENGL 360	Studies in Drama	3
ENGL 370	Studies in Fiction	3
ENGL 380	Studies in Poetry	3
ENGL 405	British Medieval Literature	3
ENGL 415	British Renaissance Literature	3
ENGL 420	Brit Restoration & 18th Cent Literature	3
ENGL 425	British Romantic Literature	3
ENGL 430	British Victorian Literature	3
ENGL 435	Modern British Literature	3
<b>Subtotal: 6</b>		

**Total Credit Hours: 33**

## ENGLISH MINOR

Students study a wide range of writing styles and literature, learning vital communication, analytical, and argumentation skills. This minor enhances many other majors and improves critical, analytical, and writing abilities for any career.

### REQUIREMENTS

In order to graduate, students must achieve a grade of "C" or better in all major or minor courses taken in fulfillment of a Language and Literature degree or minor. Students must also achieve a "C" or better in Composition I and Composition II.

From EG: Change language above to reflect this specific minor only (see below for language to use).

Students must earn a grade of "C" or higher in all required courses in this program. Students must also earn a grade of "C" or higher in ENGL 110: College Composition I (or ENGL 111H: Honors Composition) and ENGL 120: College Composition II (or ENGL 121H: Honors Composition II).

### Courses

ENGL 240	Masterpieces of World Literature	3
ENGL 250	Masterpieces of British Literature	3
ENGL 260	Masterpieces of American Literature	3

### Select one of the following:

ENGL 315	Structure and History of English	3
ENGL 320	Modern Grammar	3

### Select one of the following:

ENGL 350	Studies in American Literature	3
ENGL 355	Studies in Major American Writers	3

### Select one of the following:

ENGL 325	Shakespeare	3
ENGL 360	Studies in Drama	3
ENGL 370	Studies in Fiction	3
ENGL 380	Studies in Poetry	3
ENGL 405	British Medieval Literature	3
ENGL 415	British Renaissance Literature	3
ENGL 420	Brit Restoration & 18th Cent Literature	3
ENGL 425	British Romantic Literature	3
ENGL 430	British Victorian Literature	3
ENGL 435	Modern British Literature	3

### Select any two English courses above 200

Select two ENGL above 200	6
<b>Total Credit Hours:</b>	<b>24</b>



## GRAPHIC DESIGN

The Graphic Design program provides students with the theory and the skills needed for two-dimensional graphic design layout with traditional design equipment and computer technology. Focus is placed on graphic design as an art form for both commercial and personal use. Included are significant opportunities for hands-on experience in preparing materials for publication.

### Student Learning Outcomes

The graduate from this program will have demonstrated:

1. The ability to address complex visual and/or conceptual themes, to understand the relationship between form and content, and to display selectivity and judgment in the creation of his or her own artwork. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)
2. The ability to analyze and evaluate artwork from various perspectives and to receive responsively suggestions about and criticisms of his or her own work from others. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)
3. The ability to design and prepare a portfolio and to present his or her work professionally. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and VI.)
4. A combination of visual, conceptual and technical expertise in digital art. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
5. An understanding of the principles of design, composition, and color. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
6. The ability to choose appropriate techniques and tools and to sensitively handle those materials in two-dimensional and digital art. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
7. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)

## GRAPHIC DESIGN CERTIFICATE

This program is for students that are interested in learning the field of Graphic Design, both from an artist standpoint and a business standpoint. The certificate provides entry level skills for web design, and marketing and promotional materials for individuals and companies.

***Certificate available DSUlive and online***

## REQUIREMENTS

### Courses

ART 122	Two-Dimensional Design	3
ART 281	Introduction to Digital Photography	3
GDES 241	Graphic Design I	3
GDES 350	Typography	3
GDES 347	Web Design	3

**Subtotal: 15**

Art 122 Two-Dimensional Design is offered through Lake Region State College online.

## GRAPHIC DESIGN MINOR

This minor is extremely versatile and can be combined with several major on campus to give a well-rounded education. Students pursuing this minor learn creativity, critical thinking skills and confidence which are qualities sought after by employers. Jobs available for Graphic Designers include web designers, design or materials in print and digital forms, and portfolio development.

## REQUIREMENTS

### Courses

ART 122	Two-Dimensional Design	3
ART 280	Photography I	3
ART 281	Introduction to Digital Photography	3
GDES 241	Graphic Design I	3
GDES 350	Typography	3
GDES 342	Graphic Design II	3
GDES 343	Graphic Design III	3
GDES 345	Graphic Design Portfolio Prep.	1
GDES 347	Web Design	3
GDES 497	Graphic Design Internship, Externship, Cooperative Education	1-6
	Two Credits Required	

**Total Credit Hours: 27**

## MUSIC

## MUSIC

The Dickinson State University Division of Music provides a comprehensive professional program, available to music majors, music minors, and non-majors, as well as to students certifying to teach public school music. The program also offers fundamental courses to serve the general education needs of the University and promotes the understanding and enjoyment of music on campus, in the community, and in the region.

### Degree Requirements

Bachelor of Science in Education degree requires General Education, the major, Professional Education and electives to equal a minimum of 120 semester hours. Note: Bachelor of Science in Education degree with a major in Music (Options in Composite, Choral, and Instrumental) does not require a minor.

Bachelor of Arts degree requires General Education, 8 credits of one spoken foreign language, the major, minor, and electives to equal 120 semester hours.

**Additional Requirements****Music Theory Placement Exam Requirement**

The purpose of the Theory Placement Exam is to determine the potential for success of students wishing to enroll in MUSC 122 Theory and Analysis I. A score of 80% or better is required. (Or a grade of "C" or better in MUSC 121.) Students may take this exam twice; if an 80% score is not achieved on the second attempt, the student must enroll in MUSC 121 Music Fundamentals (offered Spring, and Summer.) The Theory Placement Exam is not needed for transfer students with previous college level theory credits. [Recommended practice site: musictheory.net by Ricci Adams]

**Applied Lessons**

Applied lessons are the study of an instrument or voice with a faculty member of the music department. Lessons involve weekly one-on-one instruction with a music faculty member.

Music majors and minors are given preference in the scheduling of applied lessons, but non-music majors may also register for applied lessons (special fees apply). MUSC 240/MUSC 440 (Chorale) and/or MUSC 241/MUSC 441 (Concert Band) are co-requisites with applied lessons. Non-music majors taking applied lessons may be required to take the jury examination at the end of each semester of study.

All music minors must enroll in and satisfy requirements for four semesters of Performance Class during the semesters they are registered for applied lessons.

At a minimum, all music majors/minors enrolled in applied lessons must perform at performance class at least once each semester. Failure to meet this requirement will result in a failing grade for the applied lesson.

**400 Level Requirements**

Students may register for applied lessons at the 400 level after:

1. At least two semesters of applied lessons at the 100 or 200 level with an average grade of 2.5.
2. Passing the Sophomore Gateway Examination.

**Sophomore Gateway Examination**

At the conclusion of the sophomore year (fourth semester of study), or after a maximum of two semesters in residence for transfer students, and passage of the Piano Proficiency Exam, the student will attempt the Sophomore Gateway Exam. The Sophomore Gateway Exam will consist of an extended jury performance in which the student will demonstrate technical and literature requirements established by the applied teacher and approved by the faculty. The student may take the exam up to four times, but must pass before admission to upper level music courses is granted.

At each attempt of the Sophomore Gateway exam, the faculty will provide written indication to the student either that:

1. The student is on track and should finish the degree within a normal expectation of time.
2. The committee notes progress but still hears musical or technical problems which have not yet been corrected, therefore, the student should be aware that it may take longer to complete the appropriate degree and should make appropriate academic decisions.
3. Continuation of the music major is done against the advice of the faculty.

**Piano Proficiency Requirement**

As a requirement for graduation, all music majors must pass MUSC 230N - Piano Proficiency Exam. It is highly recommended that this requirement for graduation be met no later than the end of the sophomore year. The Piano Proficiency Exam must be completed concurrent with or prior to upper level study and prior to student teaching. Transfer students must present written evidence of having passed an equivalent examination.

**Theory, Keyboard Requirement**

Students registered for MUSC 122 are required to take MUSC 130 during the same fall semester as preparation for Piano Proficiency Exam (MUSC 230N). Students registered for MUSC 124 are likewise required to take MUSC 131 the same spring semester. Students may also elect to continue preparation for the exam in MUSC 231, and MUSC 232.

**Recital/Capstone Requirement**

Music majors must present a recital in the major applied music area during the senior year of study. It is recommended that all music majors present a junior recital. Students must have permission from their applied lesson instructor prior to registering for the recital. For the senior recital, students must be registered in at least the seventh semester of applied study for the major applied instrument. Students must be enrolled in at least the second semester of 400 level applied study during the semester of the recital. B.A. music students not pursuing a performance-oriented area of interest may present a capstone project in lieu of the senior recital. For the junior recital, students must be registered in at least the sixth semester of private lessons for the major applied instrument and have the permission of the applied instructor. The recital will be graded by at least three members of the music faculty, including the applied instructor.

**Recital Hearing**

A recital hearing is required at least four weeks prior to presentation of the junior or senior recital. Required at the recital hearing is a successful presentation of the repertoire, with the accompanist, of all material programmed on the recital program. The student's applied teacher and at least two other members of the music faculty will be present at the hearing. It is the responsibility of the student to schedule this hearing.

## Jury Examinations

Music majors and minors must perform a jury examination at the end of every semester for each instrument/voice of applied study that term.

## Performance Class Requirement

All music majors must enroll in and satisfy requirements for Performance Class (MUSC 289/MUSC 489) during each semester that they are a declared music major. The only exception is the semester that students are student teaching.

## Ensemble Participation

See above for ensemble requirements for majors and minors under applied lessons. Music ensembles are open to all students regardless of academic major. Students who are not music majors or minors are encouraged to participate in music ensembles and activities.

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - MUSIC EDUCATION

(5 Year Program)

This program gives students a thorough training in the fundamentals of music with an emphasis on how it's taught. Students who complete this degree typically go on to teach music in an elementary or secondary school setting. Other possible career tracks include teaching private lessons and graduate study in performance, conducting, or education.

Students must complete the required core music courses, music education method courses and one of three program options: K-12 Choral, K-12 Instrumental, or K-12 Composite. Those seeking the K-12 Composite must complete an additional four semesters (not semester hours) of applied lessons on secondary instrument and secondary ensemble.

All, including transfer students, must participate in at least Chorale or Concert Band, as appropriate to their major area, each semester that they are enrolled on campus in their major area, with the exception of the semester of student teaching.

## Degree Requirements:

General Education Courses

Major Courses

Secondary Professional Education Sequence

## Degree available in Bismarck

## Student Learning Outcomes

1. Students will perform a variety of musical styles with technical and rhythmic accuracy, tone quality, intonation, musical interpretation, appropriate diction/articulation, and stylistic accuracy both as a solo and ensemble performer, in rehearsal and performance on their primary instrument. (This learning outcome addresses Institutional Learning Outcome I, VI)

2. Students will engage in historical, cultural, theoretical, and educational research in music by identifying and demonstrating ability to use appropriate resources. (This learning outcome addresses Institutional Learning Outcome I, II, III, VI)
3. Students will analyze and evaluate written music and musical performance, including aural and cognitive comprehension of harmonic, structural, stylistic, and compositional music concepts. (This learning outcome addresses Institutional Learning Outcome I, II, III, VI)
4. Students will engage in music as a profession through membership in professional organizations, and participation in professional activities. (This learning outcome addresses Institutional Learning Outcome I, V, VI)
5. Demonstrate proficiency in the 10 InTASC standards. (This learning outcome addresses Institutional Learning Outcome I, II, III, VI)

## REQUIREMENTS

The following is required as part of general education:

MUSC 201 - World Music satisfies Group III-B

Chorale or Concert Band satisfies Group III-A

Students must earn a grade of "C" or higher in all required courses for this program.

## Required Core Classes

MUSC 124	Music Theory and Analysis II	3
MUSC 125	Aural Skills II	1
MUSC 130	Piano Keyboard Skills I	1
MUSC 131	Piano Keyboard Skills II	1
MUSC 133	Music Technology	2
MUSC 215	Basic Conducting	2
MUSC 222	Music Theory and Analysis III	3
MUSC 223	Aural Skills III	1
MUSC 224	Music Theory and Analysis IV	3
MUSC 225	Aural Skills IV	1
MUSC 230N	Piano Proficiency Exam	0
MUSC 326	Music History and Literature I	3
MUSC 327	Music History and Literature II	3
MUSC 489	Performance Class	0
	Applied Music	7
	Primary Large Ensemble	7
	Small Ensemble	1
	Recital	1
	<b>Subtotal:</b>	<b>44</b>

## Methods Courses

MUSC 235	Voice Methods	1
MUSC 236	Woodwind Methods	1
MUSC 237	Brass Methods	1
MUSC 238	Percussion Methods	1
MUSC 239	Strings Methods	1
	<b>Subtotal:</b>	<b>5</b>

**MUST CHOOSE ONE OPTION****Option I - K-12 Choral**

MUSC 210	Lyric Diction	2
MUSC 316	Choral Conducting	2
MUSC 322	Choral Arranging	2
ELED 390M	Elementary Music Methods	3
SEED 490M	Secondary Choral Music Methods	3

**Subtotal: 12****Option II - K-12 Instrumental**

MUSC 315	Instrumental Conducting	2
MUSC 323	Instrumental Arranging	2
ELED 390M	Elementary Music Methods	3
SEED 390M	Secondary Instrumental Music Methods	3

**Subtotal: 10****Option III - K-12 Composite**

MUSC 210	Lyric Diction	2
MUSC 315	Instrumental Conducting Or	2
MUSC 316	Choral Conducting	2
MUSC 322	Choral Arranging	2
MUSC 323	Instrumental Arranging	2
ELED 390M	Elementary Music Methods	3
SEED 390M	Secondary Instrumental Music Methods	3
SEED 490M	Secondary Choral Music Methods	3
	Secondary Ensemble	4
	Secondary Applied Music	2

**Subtotal: 23****SECONDARY PROFESSIONAL EDUCATION SEQUENCE**

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

**Pre-Professional Courses**

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

**Professional Courses in Secondary Methods Block (must be taken concurrently):**

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I Or	1
SEED 398C	Secondary Methods Block Field Experience II	1

**Professional Courses in Disciplinary Methods Block (must be taken concurrently):**

SEED 398C	Secondary Methods Block Field Experience II Or	1
SEED 398B	Secondary Methods Block Field Experience I	1

**Disciplinary Courses**

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498	Teaching in the Secondary School	13
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**Subtotal: 41**

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3

**Subtotal: 41-49**

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 100-121**

## **BACHELOR OF ARTS DEGREE - MUSIC**

This program gives students a thorough training in the fundamentals of music and allows the student to focus on several paths within the music field, such as musical theater or performance. Music majors learn to plan ahead, work collaboratively, multi-task, and think creatively. Additional careers that require further study include audio production, film scoring, or music therapist.

A Bachelor of Arts in Music major may select a band instrument, voice, or keyboard as the major performing area. He/she must complete a minimum of seven semesters of applied lessons, at least two of which must be taken at the 400 level. A minimum requirement of seven semesters in a major performing ensemble (Concert Band, Chorale) must also be fulfilled in his/her major performing area.

(The Bachelor of Arts major with keyboard as the major performing area may substitute accompaniment of an approved vocal ensemble for major ensemble credit. However, the seven credits still must be earned over seven semesters).

### **Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirement  
Electives

### ***Degree available in Bismarck***

### **RECITAL/CAPSTONE REQUIREMENT**

Music majors must present a recital in the major applied music area during the senior year of study. It is recommended that all music majors present a junior recital. Students must have permission from their applied lesson instructor prior to registering for the recital. For the senior recital, students must be registered in at least the seventh semester of applied study for the major applied instrument.

Students must be enrolled in at least the second semester of 400 applied level study during the semester of the recital. B.A. music students not pursuing a performance-oriented area of interest may present a capstone project in lieu of the senior recital. For the junior recital, students must be registered in at least the sixth semester of private lessons for the major applied instrument and have the permission of the applied instructor. The recital will be graded by at least three members of the music faculty, including the applied instructor.

### **Student Learning Outcomes**

1. Students will perform a variety of musical styles with technical and rhythmic accuracy, tone quality, intonation, musical interpretation, appropriate diction/articulation, and stylistic accuracy both as a solo and ensemble performer, in rehearsal and performance on their primary instrument. (This learning outcome directly addresses Institutional Learning Outcomes I and VI).

2. Students will engage in historical, cultural, theoretical, and educational research in music by identifying and demonstrating ability to use appropriate resources. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
3. Students will analyze and evaluate written music and musical performance, including aural and cognitive comprehension of harmonic, structural, stylistic, and compositional music concepts. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and VI.)
4. Students will engage in music as a profession through membership in professional organizations, and participation in professional activities. (This learning outcome directly addresses Institutional Learning Outcomes I, V, and VI.)

## **REQUIREMENTS**

The following is required as part of general education:

MUSC 201 - Introduction to World Music - 3 credits  
(Satisfies Group III-A)

Chorale or Concert Band satisfies Group III-A - 3 credits

### **Music Major Courses**

MUSC 122	Music Theory and Analysis I	3
MUSC 123	Aural Skills I	1
MUSC 124	Music Theory and Analysis II	3
MUSC 125	Aural Skills II	1
MUSC 130	Piano Keyboard Skills I	1
MUSC 131	Piano Keyboard Skills II	1
MUSC 133	Music Technology	2
MUSC 215	Basic Conducting	2
MUSC 222	Music Theory and Analysis III	3
MUSC 223	Aural Skills III	1
MUSC 224	Music Theory and Analysis IV	3
MUSC 225	Aural Skills IV	1
MUSC 230N	Piano Proficiency Exam	0
MUSC 289	Performance Class	0
MUSC 326	Music History and Literature I	3
MUSC 327	Music History and Literature II	3
MUSC 489	Performance Class	0
	Applied Music	7
	Primary Large Ensemble	7
	Electives in Music	7
	Small Ensemble	1
	Recital	1

**Total Credit Hours: 51**



## BACHELOR OF ARTS DEGREE - THEATRE

This program gives student a thorough training in the fundamentals of theater, both on and off stage. This versatile degree not only focuses on acting, it also includes set design, prop building, and lighting/sound design. With several performances each year, students pursuing this degree get lots of hands-on training.

### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirement  
Electives

### Student Learning Outcomes

The graduate from this program will have demonstrated:

1. Analytical abilities for understanding meanings in a diverse body of dramatic literature and performances of different genres, styles, periods, and cultures. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VII.)
2. An understanding of the conventions and issues throughout the history of the theatre and the ability to produce formal research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
3. The ability to understand and implement technical solutions for theatrical production. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
4. The ability to contribute to the process of creating and critiquing successful theatrical performances in a variety of styles. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)

## REQUIREMENTS

Students must earn a grade of "C" or higher in all required courses for this program.

### Theatre Major Courses

COMM 211	Oral Interpretation	3
THEA 110	Introduction to Theatre Arts	3
THEA 161	Acting I	3
THEA 100	Production Workshop	1
	Or	
THEA 200	Production Workshop	1
	Or	
THEA 300	Production Workshop	1
	Or	
THEA 400	Production Workshop	1
	Three Production Workshop Credits Required	
THEA 201	Theatre Practicum	1
	Or	
THEA 301	Theatre Practicum	1
	Three Practicum Credits Required	

THEA 210	Movement for the Theatre	1
THEA 222	Stage Makeup	1
THEA 261	Acting II	3
THEA 270	Stagecraft	3
THEA 280	Script Analysis	3
THEA 310	Directing	3
THEA 325	Theatrical Design	3
THEA 350	Theatre History	3
THEA 450	Senior Project	2-4
	Two Credits Required	
THEA 491	Theatre Seminar	1-6
	Three Credits Required	
	Electives	3
Electives: Select from any COMM or THEA courses numbered above 200.		

**Total Credit Hours: 43**

## ASSOCIATE IN ARTS DEGREE - THEATRE OPTION

This versatile program is for students that are interested in a career in the field of theatre. Possible career paths include wardrobe supervisor, theatre technicians, stage movement, and actor. This degree can also be used as a starting point from which to add on a B.A. in Theatre after completing the A.A. degree.

### Degree Requirements:

General Education  
Major Courses  
Electives

### Student Learning Outcomes

The graduate from this program will have demonstrated:

1. Analytical abilities for understanding meanings in a diverse body of dramatic literature and performances of different genres, styles, periods, and cultures. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VII.)
2. An understanding of the conventions and issues throughout the history of the theatre and the ability to produce formal research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
3. The ability to understand and implement technical solutions for theatrical production. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
4. The ability to contribute to the process of creating and critiquing successful theatrical performances in a variety of styles. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)

**REQUIREMENTS****General Education**

The following course is required as part of General Education

THEA 110	Introduction to Theatre Arts	3
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**Core Courses**

Students must earn a grade of "C" or higher in all required courses for this program.

COMM 211	Oral Interpretation	3
THEA 100	Production Workshop	1
THEA 161	Acting I	3
THEA 200	Production Workshop	1
THEA 201	Theatre Practicum	1
THEA 270	Stagecraft	3

**Electives**

Theatre Electives		9
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**Total Credit Hours: 24**

**THEATRE CERTIFICATE**

This program is a one-year program that provides a solid foundation in theatre for those wanting to know more about theatre. Students can pursue a career as theater technicians, stage movement, and actor. All courses would transfer for either an Associates or Bachelor's in Theatre.

**REQUIREMENTS**

Students must earn a grade of "C" or higher in all required courses in this program.

THEA 110	Introduction to Theatre Arts	3
THEA 161	Acting I	3
THEA 270	Stagecraft	3
THEA 100	Production Workshop	1
THEA 201	Theatre Practicum	1

**Total Credit Hours: 11**

**THEATRE MINOR**

This minor is extremely versatile and can be combined with several majors on campus, including Music for those interested in musical theater or Psychology for those interested in Drama Therapy. Students pursuing this minor learn creativity, critical thinking skills, and confidence which are qualities sought after by employers.

**REQUIREMENTS****Courses**

COMM 211	Oral Interpretation	3
THEA 110	Introduction to Theatre Arts	3
THEA 161	Acting I	3
	THEA 100-400	2
	THEA 201-301	1
THEA 270	Stagecraft	3
	Electives	9

Electives: Select from THEA courses numbered above 200

**Total Credit Hours: 24**

**WRITING**

Students completing a minor in Writing can seek work as legal and administrative assistants, business managers, website administrators and content writers, news reporters, public relations managers, social media specialists, speechwriters, advertising copywriters, technical writers, interpreters and translators, editors, publishers, and grant writers. These students may also seek advanced degrees in journalism, professional writing, creative writing, technical writing, science writing, English, communication, education, interpretation and translation, business, public relations, marketing and advertising, law, and related fields.

**WRITING MINOR**

Students study a wide range of writing styles, learning vital communication, analytical, and argumentation skills. This minor enhances many other majors and improves critical, analytical, and writing abilities for any career.

**REQUIREMENTS**

Students must earn a grade of "C" or higher in all required courses in this program. Students must also earn a grade of "C" or higher in ENGL 110: College Composition I (or ENGL 111H: Honors Composition) and ENGL 120: College Composition II (or ENGL 121H: Honors Composition II).

**Courses**

ENGL 211	Introduction to Creative Writing	3
ENGL 213	Literary Publications	3
ENGL 300	Professional and Technical Writing	3
ENGL 310	Advanced Creative Writing	3
	Select one ENGL literature course	3
		<b>Subtotal: 15</b>

**Select three of the following courses:**

ART 122	Two-Dimensional Design	3
ART 130	Drawing I	3
ART 281	Introduction to Digital Photography	3
COMM 235	Introduction to Digital Media	3
COMM 380	Video Production	3
GDES 241	Graphic Design I	3
GDES 350	Typography	3
GDES 347	Web Design	3
	Select one additional ENGL literature course	3
		<b>Subtotal: 9</b>

**Total Credit Hours: 24**



# SCHOOL OF BUSINESS AND ENTREPRENEURSHIP

## College of Education, Business and Applied Sciences

### Faculty

Full-time Faculty: L. Heidt - Chair, R. Butz, L. Corbin, L. Hauf, A. Kass, T. Kessel, M. Lowe, K. Voutsas, D. Whippo

### Mission

Dickinson State University's School of Business and Entrepreneurship's Mission is to educate and prepare skilled, principled and entrepreneurial graduates who will have a positive impact in their professions, their companies, and their communities.

### Participation in Writing Across the Curriculum and Writing in the Disciplines

By completing the designated courses for degree programs in the School of Business and Entrepreneurship, students will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum (p. 25) section of the catalog for the designated courses used to meet writing requirements for your program plan. Course descriptions will also identify courses that are part of the writing program.

## BACHELOR OF BUSINESS ADMINISTRATION DEGREE - ACCOUNTING

The BBA Accounting focuses heavily on accounting and finance. This program is highly versatile, preparing students to work in a variety of fields; however, it specifically readies students to obtain employment as accountants, auditors, bookkeepers, budget analysts, tax examiners and revenue agents.

### Degree Requirements:

General Education Course Requirements

Pre-Major Courses

Business Core Courses

Accounting Major Core Courses

Electives

A cumulative GPA of 2.25 or higher is required for graduation

**Degree available in Bismarck, Williston, DSUlive, and online**

### Student Learning Outcomes

Business Core Intended Learning Outcomes

1. Students will be able to apply the theories and practices of management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
2. Students will be able to apply the concepts, theories, and practices involved in international business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).

3. Students will be able to recommend strategic decision alternatives using business concepts and theories. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI, and VII).
4. Students will be able to apply the conceptual framework of financial accounting and reporting in business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
5. Students will be able to solve fundamental problems in financial management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).

## REQUIREMENTS

### Professional Exam Requirements

Students earning a Bachelor of Business Administration degree with a major in Accounting at Dickinson State University will have fulfilled the educational requirements to take the professional examinations required to become a Certified Management Accountant (CMA), Certified Fraud Examiner (CFE), Certified Internal Auditor (CIA), and 121 of the total 150 hours of education required to apply to become a Certified Public Accountant (CPA).

In order to be qualified to be a Certified Public Accountant (CPA), a student must have 150 college level semester hours with a minimum of a baccalaureate degree. Every state determines what qualifications an applicant must meet to take the CPA exam.

Students planning to take any of the professional exams should consult with their accounting advisor to determine the exact requirements that must be met.

### General Education Course Requirements

Freshman Seminar	UNIV 100	1
Group I (A)	ENGL 110 or ENGL 111H*	3
Group I (B)	ENGL 120 or ENGL 121H*	3
Group I (C)	COMM 110 or COMM 111H*	3
Group II (A)	CSCI 101	3
Group II (B)	COMM 216 (see Pre Major Core)**	3
Group II (C)	Human Behavior and Governance	3
Group II (D)	Well-Being	2
Group III (A)	Creative Expressions	3
Group III (B)	Literature	3
Group III (C)	MATH 146 (see Pre Major Core)**	3
Group III (D)	ECON 201 or ECON 202 (see Pre Major Core)**	3
Group III (E)	Natural Science	4

General Education Elective	MATH 305 (see Pre Major Core)**	4
		<b>Subtotal: 28</b>

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*13 General Education credits met in Pre Major Core. Credits counted in Pre Major Core subtotal only.

#### Pre-Major Courses

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3
COMM 216	Intercultural Communication MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics Or	3
ECON 202	Principles Of Macro-Economics MEETS Group III-D General Education Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 25</b>

#### Business Core Courses

Pre-Major courses listed above require a "C" or better (except MATH 146 which requires a passing grade only) before taking the Business Core Courses.

ACCT 315	Business Law I	3
BADM 336	Management and Leadership	3
BADM 356	Organizational Behavior	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 376	Production/Operations Management	3
BADM 388	Management Information Systems	3
BADM 455	International Business	3
BADM 485	Business Policy	4
ENTR 366	Entrepreneurship	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3
		<b>Subtotal: 34</b>

#### Accounting Major Core Courses

ACCT 301	Computerized Accounting	3
ACCT 305	Cost Accounting	3
ACCT 310	Government & Nonprofit Acct	3
ACCT 331	Intermediate Accounting I	4
ACCT 332	Intermediate Accounting II	4
ACCT 333	Income Tax I	4
ACCT 334	Income Tax II	3
ACCT 406	Advanced Accounting	3
ACCT 407	Auditing I	4
		<b>Subtotal: 31</b>

**Subtotal: 118**

Elective requirement of coursework at the 200 level or higher can be used to satisfy the remaining degree requirements.

**Total Credit Hours: 150**

## BACHELOR OF BUSINESS ADMINISTRATION DEGREE - ADMINISTRATION

The BBA Administration explores the critical elements that make organizations function efficiently and various business theories and how they apply in the real world. As a business administration graduate, students can apply their skills to virtually any industry, including: management, human resource management, health care administration, sales, retail and marketing.

### Degree Requirements:

General Education Courses  
Pre-Major Courses  
Business Core Courses  
Administration Major Core Courses  
Electives

A cumulative GPA of 2.25 or higher is required for graduation

***Degree available in Bismarck, Williston, DSUlive, and online***

### Student Learning Outcomes

Business Core Intended Learning Outcomes

1. Students will be able to apply the theories and practices of management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
2. Students will be able to apply the concepts, theories, and practices involved in international business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
3. Students will be able to recommend strategic decision alternatives using business concepts and theories. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI, and VII).
4. Students will be able to apply the conceptual framework of financial accounting and reporting in business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
5. Students will be able to solve fundamental problems in financial management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).

**REQUIREMENTS****General Education Course Requirements**

Freshman Seminar	UNIV 100	1
Group I (A)	ENGL 110 or ENGL 111H*	3
Group I (B)	ENGL 120 or ENGL 121H*	3
Group I (C)	COMM 110 or COMM 111H*	3
Group II (A)	CSCI 101	3
Group II (B)	COMM 216 (see Pre Major Core)**	3
Group II (C)	Human Behavior and Governance	3
Group II (D)	Well-Being	2
Group III (A)	Creative Expressions	3
Group III (B)	Literature	3
Group III (C)	MATH 146 (see Pre Major Core)**	3
Group III (D)	ECON 201 or ECON 202 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	MATH 305 (see Pre Major Core)**	4
		<b>Subtotal: 28</b>

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*13 General Education credits met in Pre Major Core. Credits counted in Pre Major Core subtotal only.

**Business Core Courses**

Pre-Major courses listed above require a "C" or better (except MATH 146 which requires a passing grade only) before taking the Business Core Courses.

ACCT 315	Business Law I	3
BADM 336	Management and Leadership	3
BADM 356	Organizational Behavior	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 376	Production/Operations Management	3
BADM 388	Management Information Systems	3
BADM 455	International Business	3
BADM 485	Business Policy	4
ENTR 366	Entrepreneurship	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3
		<b>Subtotal: 34</b>

**Pre-Major Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3
COMM 216	Intercultural Communication MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics Or	3
ECON 202	Principles Of Macro-Economics MEETS Group III-D General Education Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 25</b>

**Administration Major Core Courses**

ACCT 316	Business Law II	3
ACCT 330	Financial Statement Analysis	3
BADM 346	Human Resource Management	3
FIN 426	Corporate Finance	3
Electives	200-400 Level	18
		<b>Subtotal: 30</b>

Elective requirement of coursework at the 200 level or higher can be used to satisfy the remaining degree requirements.

**Total Credit Hours: 117**

**BACHELOR OF BUSINESS  
ADMINISTRATION DEGREE - FINANCE**

The BBA Finance applies skills in accounting, finance, mathematics, and business fundamentals to prepare students to manage the monetary growth of organizations or clients based on identified goals. The finance major, will pave the way for a career in areas such as commercial banking, financial planning, investment banking, money managing, insurance and real estate.

**Degree Requirements:**

General Education Courses  
Pre-Major Courses  
Business Core Courses  
Finance Major Core Courses  
Electives

A cumulative GPA of 2.25 or higher is required for graduation

***Degree available in Bismarck, Williston, DSUlive, and online***

**Student Learning Outcomes****Business Core Intended Learning Outcomes**

1. Students will be able to apply the theories and practices of management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
2. Students will be able to apply the concepts, theories, and practices involved in international business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
3. Students will be able to recommend strategic decision alternatives using business concepts and theories. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI, and VII).
4. Students will be able to apply the conceptual framework of financial accounting and reporting in business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
5. Students will be able to solve fundamental problems in financial management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).

**REQUIREMENTS****General Education Course Requirements**

Freshman Seminar	UNIV 100	1
Group I (A)	ENGL 110 or ENGL 111H*	3
Group I (B)	ENGL 120 or ENGL 121H*	3
Group I (C)	COMM 110 or COMM 111H*	3
Group II (A)	CSCI 101	3
Group II (B)	COMM 216 (see Pre Major Core)**	3
Group II (C)	Human Behavior and Governance	3
Group II (D)	Well-Being	2
Group III (A)	Creative Expressions	3
Group III (B)	Literature	3
Group III (C)	MATH 146 (see Pre Major Core)**	3
Group III (D)	ECON 201 or ECON 202 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	MATH 305 (see Pre Major Core)**	4
		<b>Subtotal: 28</b>

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*13 General Education credits met in Pre Major Core. Credits counted in Pre Major Core subtotal only.

**Pre-Major Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3
COMM 216	Intercultural Communication MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics Or	3
ECON 202	Principles Of Macro-Economics MEETS Group III-D General Education Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 25</b>

**Business Core Courses**

Pre-Major courses listed above require a "C" or better (except MATH 146 which requires a passing grade only) before taking the Business Core Courses.

ACCT 315	Business Law I	3
BADM 336	Management and Leadership	3
BADM 356	Organizational Behavior	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 376	Production/Operations Management	3
BADM 388	Management Information Systems	3
BADM 455	International Business	3
BADM 485	Business Policy	4
ENTR 366	Entrepreneurship	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3
		<b>Subtotal: 34</b>

**Finance Major Core Courses**

ACCT 330	Financial Statement Analysis	3
ACCT 331	Intermediate Accounting I	4
ACCT 333	Income Tax I	4
FIN 300	Financial Institutions and Markets	3
FIN 328	Investments	3
FIN 426	Corporate Finance	3
FIN 430	International Finance	3
Electives	Any 200-400 level courses	7
		<b>Subtotal: 30</b>

Elective requirement of coursework at the 200 level or higher can be used to satisfy the remaining degree requirements.

**Total Credit Hours: 117**

## COLLEGE FOR FINANCIAL PLANNING CERTIFIED FINANCIAL PLANNER CERTIFICATION PROFESSIONAL EDUCATION PROGRAM

The College for Financial Planning offers an optional Professional Education Program to Earn a Certified Financial Planner™ Certification

Dickinson State University and the College for Financial Planning, Denver, Colorado, have entered into an agreement that allows Dickinson State University students to complete the College for Financial Planning Certified Financial Planner™ Certification Professional Education Program.

### REQUIREMENTS

The requirements include successful completion of the following six courses (two from Dickinson State University and four from the College for Financial Planning):

#### Courses offered by Dickinson State University

ACCT 333	Income Tax I	4
FIN 328	Investments	3

#### Courses Offered by the College for Financial Planning

CFPE 501	Financial Planning, Process, & Insurance (College for Financial Planning)	3
CFPE 504	Retirement Planning & Employee Benefits (College for Financial Planning)	3
CFPE 505	Estate Planning (College for Financial Planning)	3
CFPE 506	Financial Plan Development (College for Financial Planning)	3

The four courses from the College for Financial Planning will be available through a self-study module mode of delivery. Dickinson State University students will pay the College for Financial Planning tuition and fees associated with the four courses directly to the College for Financial Planning. Students enrolling in the College for Financial Planning courses will be eligible to be considered for financial aid for these courses contingent upon filling out the Student Financial Aid Consortium Agreement.

Upon successful completion of the six courses, students will receive a Certificate of Completion from the College for Financial Planning and will be eligible to take the CERTIFIED FINANCIAL PLANNER™ Certification Examination. In order to eventually apply for the CFP® certification from the Certified Financial Planner Board located in Washington, DC, Dickinson State University students must complete their undergraduate degree, complete the College for Financial Planning CERTIFIED FINANCIAL PLANNER™ Certification Professional Education Program, pass the certification examination, and complete work experience and other requirements mandated by the Certified Financial Planner Board. Students will also be able to use the six courses listed above for credit in the College for Financial Planning Master's degree program in Personal Financial Planning if they decide to matriculate to that institution following graduation from Dickinson State University.

See the Chair of the School of Business and Entrepreneurship for more information.

## BACHELOR OF BUSINESS ADMINISTRATION DEGREE - HUMAN RESOURCE MANAGEMENT

The BBA Human Resource Management prepares students with the fundamentals of advanced business law, compensation management, staffing and workforce diversity, and labor relations. The degree aligns with the Society for Human Resource Management standards. After graduation, students will be qualified to seek HR certification.

### Degree Requirements:

General Education Courses  
Pre-Major Courses  
Business Core Courses  
Human Resource Management Major Core Courses  
Electives  
A cumulative GPA of 2.25 or higher is required for graduation

*Degree available in Bismarck, Williston, DSUlive, and online*

### Student Learning Outcomes

Business Core Intended Learning Outcomes

1. Students will be able to apply the theories and practices of management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
2. Students will be able to apply the concepts, theories, and practices involved in international business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
3. Students will be able to recommend strategic decision alternatives using business concepts and theories. (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI, and VII).
4. Students will be able to apply the conceptual framework of financial accounting and reporting in business. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).
5. Students will be able to solve fundamental problems in financial management. (this learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VI).

### REQUIREMENTS

#### General Education Course Requirements

Freshman Seminar	UNIV 100	1
Group I (A)	ENGL 110 or ENGL 111H*	3
Group I (B)	ENGL 120 or ENGL 121H*	3
Group I (C)	COMM 110 or COMM 111H*	3

Group II (A)	CSCI 101	3
Group II (B)	COMM 216 (see Pre Major Core)**	3
Group II (C)	Human Behavior and Governance	3
Group II (D)	Well-Being	2
Group III (A)	Creative Expressions	3
Group III (B)	Literature	3
Group III (C)	MATH 146 (see Pre Major Core)**	3
Group III (D)	ECON 201 or ECON 202 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	MATH 305 (see Pre Major Core)**	4
		<b>Subtotal: 28</b>

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*13 General Education credits met in Pre Major Core. Credits counted in Pre Major Core subtotal only.

#### Business Core Courses

Pre-Major courses listed above require a "C" or better (except MATH 146 which requires a passing grade only) before taking the Business Core Courses.

ACCT 315	Business Law I	3
BADM 336	Management and Leadership	3
BADM 356	Organizational Behavior	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 376	Production/Operations Management	3
BADM 388	Management Information Systems	3
BADM 455	International Business	3
BADM 485	Business Policy	4
ENTR 366	Entrepreneurship	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3
		<b>Subtotal: 34</b>

#### Pre-Major Courses

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3
COMM 216	Intercultural Communication MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics Or	3
ECON 202	Principles Of Macro-Economics MEETS Group III-D General Education Requirement	3

MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 25</b>

#### Human Resource Management Major Core Courses

ACCT 316	Business Law II	3
BADM 346	Human Resource Management	3
BADM 436	Staffing and Workforce Diversity	3
BADM 452	Compensation Management	3
BADM 460	Human Resource Development	3
BADM 465	Labor Relations	3
Electives	any 200-400 level courses	12
		<b>Subtotal: 30</b>

Elective requirement of coursework at the 200 level or higher can be used to satisfy the remaining degree requirements.

**Total Credit Hours: 117**

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - BUSINESS EDUCATION

The BSED Business Education combines knowledge of business and teaching. Students complete coursework in accounting, economics, management, marketing, and mathematics, which prepares them to sit for the professional teaching license in Business Education.

#### Degree Requirements:

General Education Courses  
Business Education Major Courses  
Secondary Professional Education Sequence

***Degree available in Bismarck, Williston, DSUlive, and online***

#### Student Learning Outcomes

The undergraduate program in Business Education will enable students to:

1. Display a comprehensive knowledge of Business Education subject areas appropriate for the secondary school level (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
2. Express knowledge of learning theory through planning, teaching, and interaction with Business Education students (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
3. Enhance the learning environment by incorporating the use of technological equipment into the Business Education classroom (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)

4. Develop knowledge of economic systems, business organizations, legal/ethical implications, and entrepreneurship, including global and technological aspects (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
5. Develop a comprehensive business education curriculum, elementary/secondary keyboarding curriculum, including a statement of purpose, a scope and sequence of skills, necessary resources and methods of instruction and assessing students (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
6. Communicate accurately and effectively, both verbally and in writing, with students, colleagues, and parents/community members (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
7. Organize a comprehensive instructing program through effective planning and effectively instruct students as indicated in the corresponding lesson plan (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
8. Develop and utilize various evaluative strategies and instruments for determining student achievement and instructional efficacy (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
9. Provide a Business Education instruction program that accommodates the special needs of each student (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
10. Exhibit attitudes, actions, and behaviors indicative of a professional educator (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
11. Exhibit a desire for professional growth and improvement of performance in the Business Education classroom (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
12. Demonstrate a valuing of student diversity in backgrounds, interest, experiences, and abilities (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
13. Make professional decisions using a reflective approach (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)

## REQUIREMENTS

The following are required as part of general education

ECON 201	Principles Of Microeconomics	3
		<b>Subtotal: 3</b>

Students planning to teach economics in North Dakota must also take ECON 202 – Principles of Macroeconomics [three credits] for a total of six credits of economics.

## Business Education Major Courses Secondary Education

Students must earn a grade of "C" or higher in all required courses for this program.

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BADM 336	Management and Leadership	3
BOTE 147	Word Processing and Presentation Software	3
BOTE 210	Business Communication	3
BOTE 218	Desktop Publishing	3
BOTE 247	Spreadsheet Applications	3
CSCI 200	Database Software Applications	3
FIN 326	Managerial Finance	3
GDES 347	Web Design	3
MRKT 301	Principles of Marketing	3
SEED 490B	Methods in Business Education	3
		<b>Subtotal: 36</b>

## Required CTE Courses (to be completed collaboratively through Valley City State University)

CTE 431*	History, Philosophy and Practices of Career and Technical Education	3
CTE 434*	Leadership in Career and Technical Student Organizations	3
		<b>Subtotal: 6</b>

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

### Pre-Professional Courses

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field Experience II	1

### Professional Courses in Disciplinary Methods Block (must be taken concurrently):

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

**Disciplinary Courses**

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

Disciplinary course for Technology Education must be completed collaboratively through Valley City State University:

TECH 411	Curriculum and Methods	2
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**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498	Teaching in the Secondary School	13
		<b>Subtotal: 41</b>

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3
		<b>Subtotal: 41-49</b>

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 86-94**

**BACHELOR OF APPLIED SCIENCE DEGREE - BUSINESS**

The Bachelor of Applied Science Degree is intended to build on an Associate in Applied Science Degree (AAS) but can be pursued independently by completing 120 semester hours at DSU and meeting the minimum requirements for graduation. This program prepares students for entry level positions in business.

**Degree Requirements:**

General Education Courses  
Major Courses  
Elective Courses

**Degree available in Bismarck, Williston, DSUlive, and online**

The Bachelor of Applied Science Business Degree can build on a completed associate's degree or can be pursued independently by completing all 120 semester hours at DSU and meeting the minimum requirements listed below.

**Student Learning Outcomes**

1. Students will display a comprehensive understanding of the fundamental areas of business. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Students will demonstrate professional written and oral business communication. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, VI, and VII.)
3. Students will demonstrate ethical and critical thinking skills when tasked with business decisions. (This learning outcome directly addresses Institutional Learning Outcomes II, V, VI, and VII.)
4. Students will demonstrate the ability to work with diverse colleagues in team situations. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
5. Students will apply business-related quantitative methods and tools to formulate decisions. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V, VI, and VII.)

**REQUIREMENTS**

40 General Education credits per catalog; ECON 201 or ECON 202. 30 required business related semester hours. 32 semester hours of upper division (300-400 level) coursework, 30 semester hours of coursework from DSU and a minimum of 120 cumulative semester hours are required for the Bachelor of Applied Science Degree.

**General Education**

**Subtotal: 40**

**Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 301	Computerized Accounting	3
ACCT 315	Business Law I	3



BADM 336	Management and Leadership	3
BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3
ECON 201	Principles Of Microeconomics Or	3
ECON 202	Principles Of Macro-Economics	3
ENTR 366	Entrepreneurship	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3

**Subtotal: 33****Electives****Subtotal: 47****Total Credit Hours: 120**

## **ASSOCIATE IN APPLIED SCIENCE DEGREE - ADMINISTRATION**

The AAS Administration allows students to develop the technical, organizational and critical-thinking skills necessary to oversee employees in diverse office environments. Completion of this program will prepare students for a variety of careers including office manager, administrative and executive assistant, accounting clerk, and medical office assistant.

**Degree Requirements:**

General Education Courses

AAS Administration Major Courses

Electives

Students must complete the Associate in Applied Science Administration Degree requirements with a cumulative grade point average of 2.0 or higher.

***Degree available DSU live and online*****Student Learning Outcomes**

1. Students will display a comprehensive knowledge of administrative tasks (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Students will demonstrate professional business communication (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI, and VII.)
3. Students will demonstrate proficiency to information processing systems. (This learning outcome directly addresses Institutional Learning Outcomes II, and III.)
4. Students will demonstrate the ability to work with diverse colleagues in team situations. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
5. Students will apply business-related quantitative methods and tools to formulate decisions. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V, VI, VII.)

## **REQUIREMENTS**

**The following are required as a part of general education:**

CSCI 101	Introduction To Computers	3
ENGL 110	College Composition I	3
MATH 103	College Algebra	4

ECON 201	Principles Of Microeconomics Or	3
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ECON 202	Principles Of Macro-Economics	3
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**Subtotal: 13**

**Please select one of the following to complete general education:**

ENGL 120	College Composition II	3
COMM 110	Fundamentals Of Public Speaking	3

**Subtotal: 3****Required Business Core Courses:**

BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3
BADM 369	Business Ethics and Critical Thinking	3

FIN 326	Managerial Finance	3
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**Subtotal: 12**

## **PLEASE SELECT ACCOUNTING OR OFFICE MANAGEMENT TRACK**

**Accounting Track Required Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 301	Computerized Accounting	3
ACCT 302	Payroll Accounting	3
ACCT 315	Business Law I	3
ACCT 331	Intermediate Accounting I	4
ACCT 332	Intermediate Accounting II	4
ACCT 333	Income Tax I	4

Please select five or more credits from the following to complete the Accounting track:

ACCT 305	Cost Accounting	3
ACCT 310	Government & Nonprofit Acct	3
ACCT 330	Financial Statement Analysis	3
ACCT 334	Income Tax II	3
ACCT 497	Accounting Internship, Externship, Cooperative Education	1- 12

**Subtotal: 32****Office Management Track Required Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 301	Computerized Accounting	3
BADM 336	Management and Leadership	3
BADM 346	Human Resource Management	3
BADM 388	Management Information Systems	3
BOTE 147	Word Processing and Presentation Software	3
BOTE 218	Desktop Publishing	3
BOTE 275	Administrative Office Procedures	3
CSCI 200	Database Software Applications	3

Select five or more credits in ACCT, BADM, BOTE, ENTR, FIN, or MRKT or completion of optional area of study below

**Subtotal: 32**

**Agri-business Area of Study**

AGEC 142	Agricultural Accounting	3
AGEC 246	Introduction to Agricultural Finance	3
ANSC 114	Introduction to Animal Science	3
ANSC 123	Feeds and Feeding	3
PLSC 110	World Food Crops	3
<b>Subtotal: 15</b>		

**Legal Area of Study**

ACCT 315	Business Law I	3
ACCT 316	Business Law II	3
POLS 201	The Criminal Justice System	3
<b>Subtotal: 9</b>		

**Total Credit Hours: 60-75****ACCOUNTING TECHNICIAN  
CERTIFICATE**

The Accounting Technician Certificate prepares students for book-keeping and payroll positions that require accounting skills. Students will learn accounting fundamentals as well as QuickBooks.

Note: To enroll in the courses below, student must meet the following requirements: Meet prerequisite requirements, or prior approval by the chair of the School of Business and Entrepreneurship.

*Certificate available DSUlive and online***REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 301	Computerized Accounting	3
ACCT 302	Payroll Accounting	3
BOTE 247	Spreadsheet Applications	3
BOTE 297	Office Administration Internship, Externship, Cooperative Education One Credit Required	1-6
Or		
BOTE 210	Business Communication	3

**Total Credit Hours: 16-18****BANKING CERTIFICATE**

The Banking Certificate curriculum prepares students for front-line positions in the banking industry. Students will learn fundamental accounting and finance skills as well as the structure of financial institutions and markets.

Note: To enroll in the courses below, student must meet the following requirements: Meet prerequisite requirements, or prior approval by the chair of the School of Business and Entrepreneurship.

*Degree available in Bismarck, DSUlive, and online***REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
FIN 300	Financial Institutions and Markets	3
FIN 326	Managerial Finance	3

**Select 4 to 6 credits from the following:**

ACCT 331	Intermediate Accounting I	4
BADM 360	Real Estate Principles	3
BADM 497	Business Administration Internship, Externship, Cooperative Education	1-12
FIN 320	Personal Finance	3
FIN 328	Investments	3
FIN 426	Corporate Finance	3

**Total Credit Hours: 16-18****BUSINESS FUNDAMENTALS  
CERTIFICATE**

The Business Fundamentals Certificate prepares students in business basics, including accounting, finance, and marketing. Students are also encouraged to complete a business communication to understand report writing. This certificate prepares students for front-line or lower-level management positions.

Note: To enroll in the courses below, student must meet the following requirements: Meet prerequisite requirements, or prior approval by the chair of the School of Business and Entrepreneurship.

*Certificate available DSUlive, and online***REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BOTE 247	Spreadsheet Applications	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3
Choose one course from the following for one to three credits:		

BOTE 210	Business Communication	3
BADM 297	Business Internship, Externship, Cooperative Education One Credit Required	1-6

**Total Credit Hours: 16-18****DATA ENTRY SPECIALIST  
CERTIFICATE**

The Data Entry Specialist Certificate curriculum prepares students for data entry positions. Students will learn Excel, Database, and computer basics. Students will also be required to complete college composition courses, as often data entry specialists engage in report writing.

Data entry specialists perform the vital role of inputting information into electronic systems, which is then accessed by decision-makers within organizations. The Data Entry Specialist Certificate prepares students for entry level data entry positions at most organizations.

*Certificate available DSUlive and online*

## REQUIREMENTS

### Courses:

BOTE 247	Spreadsheet Applications	3
BOTE 297	Office Administration Internship, Externship, Cooperative Education	1-6
CSCI 101	Introduction To Computers	3
CSCI 200	Database Software Applications	3
ENGL 110	College Composition I	3

### Choose one of the following:

COMM 110	Fundamentals Of Public Speaking	3
COMM 216	Intercultural Communication	3

**Total Credit Hours: 16**

## DIGITAL MARKETING CERTIFICATE

The Digital Marketing Certificate prepares students for the new world of digital marketing. Courses will have a digital component. This certificate prepares students for entry-level positions in marketing fields.

Note: To enroll in the courses below, student must meet the following requirements: Meet prerequisite requirements, or prior approval by the chair of the School of Business and Entrepreneurship.

*Certificate available in Bismarck, DSUlive, and online*

## REQUIREMENTS

### Courses

BADM 357	Visual Merchandising, Design, and Storytelling	3
MRKT 301	Principles of Marketing	3
MRKT 340	Advertising, Sales Promotion, and Digital Media	3
MRKT 491	Business Administration Seminar: Marketing	3

**Subtotal: 12**

### Elective (Select 4-6 credits of the following)

BADM 364	Electronic Commerce	3
BADM 497	Business Administration Internship, Externship, Cooperative Education	1-12
MRKT 357	International Marketing	3
MRKT 386	Retailing: Virtual and Brick-and-Mortar	3
MRKT 466	Consumer Behavior and Consumption	3

**Total Credit Hours: 16-18**

## HOSPITALITY CERTIFICATE

This certificate will prepare our students with management concepts including accounting and finance, marketing, strategic management, human resource management, as well as analytical skills as they pertain specifically to the hospitality industry. This accredited certificate will challenge students and sharpen their skills to gain an advantage in the workplace.

Note: To enroll in the courses below, student must meet the following requirements: Meet prerequisite requirements, or prior approval by the chair of the School of Business and Entrepreneurship.

*Degree available DSUlive and online*

## REQUIREMENTS

### Courses:

ACCT 301	Computerized Accounting	3
BADM 346	Human Resource Management	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 497	Business Administration Internship, Externship, Cooperative Education One to Three Credits	1-12
MRKT 386	Retailing: Virtual and Brick-and-Mortar	3

### Choose one of the following:

ACCT 302	Payroll Accounting	3
BADM 357	Visual Merchandising, Design, and Storytelling	3
BADM 436	Staffing and Workforce Diversity	3
BADM 452	Compensation Management	3
BOTE 210	Business Communication	3
FIN 326	Managerial Finance	3

**Total Credit Hours: 16-18**

## HUMAN RESOURCE MANAGEMENT CERTIFICATE

The Human Resource Management Certificate is intended to be built on a two- or four-year degree programs; however, students can enter the program with permission from the SoBE chair. The curriculum prepares students for careers in human resource management. The certificate is ranked #1 nationally by Intelligence and HR.com for quality and alignment to the Society for Human Resource Management.

**NOTE:** To enroll in the courses below, students must meet the following requirements: junior status or successful completion of an associate or bachelor's degree, 2.5 minimum cumulative GPA, and successful completion of a course in Accounting. Students may have these requirements waived by the Chair of the School of Business and Entrepreneurship based on professional work experience as demonstrated in a portfolio.

*Certificate available in Bismarck, DSUlive, and online*

### REQUIREMENTS

#### Courses

BADM 336	Management and Leadership	3
BADM 346	Human Resource Management	3
BADM 356	Organizational Behavior	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 460	Human Resource Development	3
BADM 497	Business Administration Internship, Externship, Cooperative Education	1-12
	One Credit Required	

**Total Credit Hours: 16**

## OFFICE ADMINISTRATION SPECIALIST CERTIFICATE

The Office Administration Specialist Certificate curriculum prepares students for fields in office administration and/or management. Students take coursework in accounting, business communication, and administrative office procedures, as well as Database or Excel.

Office Administrative Specialists cover a variety of office functions, from administrative tasks to technical work. The Office Administration Specialist Certificate prepares students for careers in various office environments.

*Certificate available DSUlive and online*

### REQUIREMENTS

#### Courses:

ACCT 200	Elements Of Accounting I	3
BOTE 210	Business Communication	3
BOTE 275	Administrative Office Procedures	3
CSCI 200	Database Software Applications	3

**Choose from the following for four to six credits:**

BOTE 297	Office Administration Internship,	1-6
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	Externship, Cooperative Education	
COMM 216	Intercultural Communication	3
PSYC 111	Introduction to Psychology	3

**Total Credit Hours: 16-18**

## RECEPTION SERVICES SPECIALIST CERTIFICATE

The Reception Specialist Certificate curriculum prepares students for reception or administrative assistant positions. Students complete coursework in administrative office procedures, public speaking, computer applications, and English composition.

Reception Services Specialists are often the first encounter customers or employees have with the organization. A Reception Service Specialist is responsible for managing the day-to-day office activities, including scheduling meetings and appointments, organizing the office layout, purchasing equipment and materials, and maintaining the office conditions.

The Reception Services Specialist Certificate will prepare students for a variety of office environments as well as the tasks they will likely perform on the job.

*Certificate available DSUlive and online*

### REQUIREMENTS

#### Courses:

BOTE 275	Administrative Office Procedures	3
COMM 110	Fundamentals Of Public Speaking	3
CSCI 101	Introduction To Computers	3
ENGL 110	College Composition I	3

**Subtotal: 12**

**Choose from the following for four to six credits:**

COMM 216	Intercultural Communication	3
PSYC 111	Introduction to Psychology	3
BOTE 297	Office Administration Internship, Externship, Cooperative Education	1-6

**Total Credit Hours: 16-18**

## CPA PREPARATION CERTIFICATE OF COMPLETION

The CPA Preparation Certificate of Completion is offered to students needing to complete the necessary credits to sit for the CPA exam or to complete CPA Preparation Coursework at Dickinson State University. Students can complete as few as 3 credits, or as many as 24. To earn this COC, students must be eligible to sit for the ND CPA examination. (Not financial aid eligible on its own).

**NOTE:** In order to be awarded the Certificate of Completion CPA Preparation, a student must complete three or more semester hours at Dickinson State University in courses with a prefix of ACCT, BADM, ENTR, FIN, or MRKT, and meet the requirements to sit for the CPA exam.

*Certificate of Completion available in Bismarck, DSUlive, and online*

## REQUIREMENTS

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This certificate of completion is intended for students who hold a degree from this or any other accredited university who are attempting to fulfill the requirements to sit for the CPA exam as listed below:

1. Bachelor degree or above with accounting concentration (or equivalent)
2. 150 semester units from an accredited university
3. 24 semester hours of accounting courses (300 level and above)
4. 24 semester hours from any Business Administration, Finance, Marketing, and Entrepreneurship courses, including up to 3 semester hours of Economics

## ENTREPRENEURSHIP CERTIFICATE OF COMPLETION

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The Entrepreneurship Certificate of Completion program is intended for students seeking the skills to start their own businesses. Required coursework includes entrepreneurship, accounting, and optional coursework in business fundamentals. This certificate requires 6 credits of coursework. (Not financial aid eligible on its own).

NOTE: To enroll in the courses below, students must meet the following requirements: junior status or successful completion of an associate or bachelor's degree, and a 2.25 minimum cumulative GPA. Students may have these requirements waived by the Chair of the School of Business and Entrepreneurship based on professional work experience as demonstrated in a portfolio.

*Certificate of Completion available in Bismarck, DSUlive, and online*

## REQUIREMENTS

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ENTR 366	Entrepreneurship	3
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**Please select one course from the following:**

ACCT 102	Fundamentals of Accounting	3
ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 301	Computerized Accounting	3

**Optional Courses:**

BOTE 210	Business Communication	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3

**Total Credit Hours: 6**

## DIGITAL MARKETING CONCENTRATION FOR BUSINESS MAJORS

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The Digital Marketing Concentration is an option that may be added to any of these majors: BBA Accounting, BBA Administration, BBA Finance, BBA Human Resource Management, BS Business Education or BAS Business.

*Concentration available in Bismarck, Williston, DSUlive, and online*

## REQUIREMENTS

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### Courses

BADM 357	Visual Merchandising, Design, and Storytelling	3
MRKT 301	Principles of Marketing	3
MRKT 340	Advertising, Sales Promotion, and Digital Media	3
MRKT 491	Business Administration Seminar: Marketing	3

**Subtotal: 12**

### Elective (Select 4-6 credits of the following)

BADM 364	Electronic Commerce	3
BADM 497	Business Administration Internship, Externship, Cooperative Education	1-12
MRKT 357	International Marketing	3
MRKT 386	Retailing: Virtual and Brick-and-Mortar	3
MRKT 466	Consumer Behavior and Consumption	3

**Total Credit Hours: 16-18**

## BUSINESS ADMINISTRATION MINORS FOR NON-BUSINESS MAJORS

All minors are required to take ECON 201 as a part of the general education requirements.

## ACCOUNTING MINOR

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## REQUIREMENTS

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### Courses

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 331	Intermediate Accounting I	4
ACCT 332	Intermediate Accounting II	4
	Accounting Electives	12

**Total Credit Hours: 26**

**BUSINESS ADMINISTRATION MINOR****REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 315	Business Law I	3
BADM 336	Management and Leadership	3
BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3
ENTR 366	Entrepreneurship	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3

**Total Credit Hours: 27****BUSINESS EDUCATION MINOR -  
SECONDARY EDUCATION****REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 301	Computerized Accounting	3
BOTE 147	Word Processing and Presentation Software	3
BOTE 210	Business Communication	3
BOTE 218	Desktop Publishing	3
BOTE 247	Spreadsheet Applications	3
CSCI 200	Database Software Applications	3
SEED 490B	Methods in Business Education	3

**Total Credit Hours: 27****ENTREPRENEURSHIP MINOR****REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 315	Business Law I	3
BADM 364	Electronic Commerce	3
BOTE 210	Business Communication	3
ENTR 366	Entrepreneurship	3
MRKT 301	Principles of Marketing	3
MRKT 340	Advertising, Sales Promotion, and Digital Media	3
	Or	
MRKT 386	Retailing: Virtual and Brick-and- Mortar	3

**Total Credit Hours: 21**

# DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

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## ***College of Education, Business and Applied Sciences***

### **Faculty**

Full-time Faculty: O'Donnell – Chair, M. Dahl, T. Daniel, T. Kreidt, P. Leno, D. Moody, A. Wittkopp, S. Wittkopp

### **Mission**

The mission of the Health and Physical Education department at Dickinson State University is to foster the development of dedicated, enthusiastic, reflective educators who serve our region and the country in the promotion of healthy, active lifestyles in the holistic approach of educating the mind and body.

It is our goal that our graduates demonstrate behaviors that are consistent with the professional ethics of highly qualified educators in addition to personal competence in motor skill performance and health-enhancing fitness. Our graduates will possess the ability to design and implement progressive and sequential instruction adapted to diverse student needs while helping students develop responsible personal and social behaviors in a productive learning environment.

### **Participation in Writing Across the Curriculum and Writing in the Disciplines**

By completing the designated courses for Physical Education (p. 27) or Exercise Science (p. 27) degree programs, students will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum section of the catalog for the designated courses used to meet writing requirements for your program plan. Course descriptions will also identify courses that are part of the writing program.

### **Facilities**

The Ben C. Frank Human Performance Center is the first of its kind in any of the universities found in the State of North Dakota.

The Center utilizes the Athletic Republic Acceleration Program, a program which uses a combination of training methods and technology to enhance human performance.

Students in the Department of Health and Physical Education program benefit from learning about advanced training techniques and methods. This Center puts Dickinson State University on the cutting edge of physical education by creating advanced laboratory opportunities and preparing students for a successful career in physical education.

## **BACHELOR OF SCIENCE IN EDUCATION DEGREE - PHYSICAL EDUCATION (K-12)**

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The physical education major will be preparing for a career in teaching activities, movement skills and concepts. Majors will complete a K-12 comprehensive, well-rounded experience in the discipline while emphasizing a "hands on" approach.

### **Degree Requirements:**

General Education Courses  
Major Courses  
Secondary Professional Education Sequence  
Student Learning Outcomes

Physical education teacher candidates are physically educated individuals with the knowledge and skills necessary to demonstrate competent movement performance and health-enhancing fitness as delineated in the SHAPE and PETE standards.

### **STANDARD #1: CONTENT KNOWLEDGE**

Physical education teacher candidates demonstrate an understanding of common- and specialized-content knowledge, physical education curriculum models, and scientific foundations for the delivery of an effective physical education program. (This learning outcome directly addresses Institutional Learning Outcomes IV & VI.)

### **STANDARD #2: SKILLFULLNESS and HEALTH-RELATED FITNESS**

Physical education teacher candidates are physically literate individuals who can demonstrate skillful performance in physical education content areas and health-enhancing levels of fitness. (This learning outcome directly addresses Institutional Learning Outcomes II & VI.)

### **STANDARD #3: PLANNING and IMPLEMENTATION**

Physical education teacher candidates apply content and programing knowledge to plan and implement developmentally appropriate learning experiences aligned with local, state and national standards to develop physically educated individuals. (This learning outcome directly addresses Institutional Learning Outcomes III & VI.)

### **STANDARD #4: INSTRUCTIONAL DELIVERY and MANAGEMENT**

Physical education teacher candidates engage students in meaningful experiences through effective use of pedagogical skills. They use communication, feedback, and instructional and managerial skills to enhance student learning. (This learning outcome directly addresses Institutional Learning Outcome III.)

**STANDARD #5: ASSESSMENT of STUDENT LEARNING**

Physical education teacher candidates select and implement appropriate assessments to monitor learners' progress, guide decision making related to instruction and learning, and engage learners in their own growth (This learning outcome directly addresses Institutional Learning Outcome II.)

**STANDARD #6: PROFESSIONALISM**

Physical education teacher candidates demonstrate behaviors essential to becoming effective professionals. They value and exhibit professional ethics and practices; seek opportunities for continued professional development; and promote the importance of physical education for developing physically literate individuals. (This learning outcome directly addresses Institutional Learning Outcome V.)

**REQUIREMENTS****Physical Education K-12 Major Courses**

Students must earn a grade of "C" or higher in all required courses for this program.

HPER 100	Concepts of Fitness and Wellness	2
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 208	Introduction to Physical Education	3
HPER 210	First Aid and CPR	1
HPER 215	Systems and Functional Anatomy for Physical Education	3
HPER 215L	Systems and Functional Anatomy for Physical Education Lab	1
HPER 217	Personal and Community Health	2
HPER 240	Principles of Human Nutrition	3
HPER 316	Elementary Physical Education Activities, Skills and Methods	3
HPER 317	Middle School Physical Education Activities, Skills and Methods	2
HPER 318	Secondary Physical Education Activities, Skills and Methods	3
HPER 320	Teaching Weight Training	2
HPER 360	Adapted Physical Education	2
HPER 420	Organization and Administration of Physical Education	2
HPER 430	Measurement and Evaluation	2
HPER 432	Physiology of Exercise	3
<b>Subtotal:</b>		<b>34</b>

**SECONDARY PROFESSIONAL EDUCATION SEQUENCE**

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

**Pre-Professional Courses**

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

**Professional Courses in Secondary Methods Block (must be taken concurrently):**

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field Experience II	1

**Professional Courses in Disciplinary Methods Block (must be taken concurrently):**

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

**Disciplinary Courses**

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

EDUC 390E	Health Education Methods	2
EDUC 390P	Methods of Teaching K-12 Physical Education	3

**Subtotal: 5****Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498	Teaching in the Secondary School	13
<b>Subtotal:</b>		<b>46</b>

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 350	Portfolio Preparation	1
EDUC 350 is taken the semester prior to student-teaching.		

**Total Credit Hours: 80**



## BACHELOR OF SCIENCE DEGREE - EXERCISE SCIENCE

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### Degree Requirements:

General Education Courses

Major Courses

Minor Courses

A bachelor's degree in exercise science prepares graduates to work in a broad range of careers related to health and fitness promotion.

The Bachelor of Science in Exercise Science has two distinct programs. 1. Exercise Science Professional Track. 2 Exercise Science Sports Management track. Coursework for each track is grounded in knowledge of the human body structure and function, then specializes to each unique track, providing significant coursework in each area. We have researched best practices in both professional preparation for graduate work and management coursework. Our degree meets or exceeds those requirements.

The professional track provides the depth of study needed to meet or exceed preparation for admission to graduate programs in many health-related or exercise science fields. Some common graduate areas include: physical therapy, occupational therapy, athletic training, cardiac rehabilitation and clinical exercise physiologist.

The sports management track provides coursework to place the student in public or private industry or educational settings. Fitness-based professions that place students into a fitness setting as owner or employee, such as personal trainers, fitness personnel managers, or floor managers. This degree requires, in addition to the core coursework, the business background of marketing, finance, promotion, and personal interaction.

Successful completion of this major will require a grade of "C" or better, graded on an "A" through "F" letter basis in the following classes: Performance Sport Assessment & Athletic Development I, Teaching Weight Training, Biomechanics, Biomechanics Lab, Performance Sport Assessment & Athletic Development II, Physiology of Exercise, and Advanced Exercise Science.

### Student Learning Outcomes

Upon completion of the major in Exercise Science, the student will be able to:

1. Integrate knowledge from various Exercise Science disciplines (Exercise Physiology, Biomechanics and Motor Learning) into an evidence based approach to training (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
2. Administer valid and reliable automated performance assessments, interpret and communicate results to users of the information, and develop and implement appropriate training experience from the assessment data. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)

3. Demonstrate effective use of multiple methods of feedback, including the use of media and technology, to enhance the training process. (This learning outcome directly addresses Institutional Learning Outcomes III and VI.)
4. Demonstrate effective use of instructional and time management strategies into the training process. (This learning outcome directly addresses Institutional Learning Outcome VI.)
5. Students in the Professional Track option will demonstrate an understanding of the research process through the completion of Undergraduate Research Project. (This learning outcome directly addresses Institutional Learning Outcome II and VI.)
6. Students in the Sport Management Track option will engage in meaning professional practice through the completion of Internship. (This learning outcome directly addresses Institutional Learning Outcome IV and VII.)

### PROFESSIONAL TRACK

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The Exercise Science Professional Track program provides an extraordinary education through integrative teaching, research opportunities, and experiential learning related to human movement. Our goal is to empower students to pursue careers or graduate education in clinical professions (Physical Therapy, Chiropractic, Athletic Training), fitness, wellness, sport performance, public health, and research.

#### General Education

The following are required as part of General Education

ECON 201	Principles Of Microeconomics Pre- or Co-requisite MATH 103	3
MATH 103	College Algebra	4
PSYC 111	Introduction to Psychology	3
		<b>Subtotal: 10</b>

#### Required Core Classes

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 220	Anatomy and Physiology I and Lab	4
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid and CPR	1
HPER 240	Principles of Human Nutrition	3
HPER 241	Introduction to Exercise Science	3
HPER 300	Performance Assessment and Training Prescription	3
HPER 320	Teaching Weight Training	2
HPER 328	Biomechanics	3
HPER 328L	Biomechanics Lab	1
HPER 371	Performance Sport Assessment and Athletic Development I	2
HPER 372	Performance Sport Assessment and Athletic Development II	2
HPER 410	Psychology and Sociology of Sport and Exercise	2
HPER 430	Measurement and Evaluation	2
HPER 432	Physiology of Exercise	3
		<b>Subtotal: 37</b>



## **STRENGTH AND CONDITIONING CERTIFICATE OF COMPLETION**

The Strength and Conditioning Certificate of Completion is designed to provide students with quality academic and professional preparation in the scientific study of human movement, and to be prepared to sit for the National Strength and Conditioning Association's (NSCA) Certified Strength and Conditioning Specialist Exam.

Strength and Conditioning Certificate of Completion is for students looking to enter the strength and conditioning area in a gym, fitness center, or sports coaching setting.

### **Courses**

HPER 240	Principles of Human Nutrition	3
HPER 300	Performance Assessment and Training Prescription	3
HPER 320	Teaching Weight Training	2

**Total Credit Hours: 8**

## **WELLNESS CERTIFICATE OF COMPLETION**

The Wellness Certificate of Completion will prepare students for the American Council for Exercise's (ACE) Certified Personal Trainer (CPT) exam. The curriculum will provide students with a well-developed foundation in human anatomy, exercise physiology, the fundamentals of applied kinesiology, nutrition basics and the physiology of training.

Wellness Certificate of Completion is for students looking to enter the wellness area of clinic, business, or fitness center.

### **Courses**

HPER 217	Personal and Community Health	2
HPER 240	Principles of Human Nutrition	3
HPER 405	Principles and Practice of Personal Training	2

**Total Credit Hours: 8**

## **PHYSICAL EDUCATION MINOR - ELEMENTARY OR SECONDARY EDUCATION**

The physical education minor will be preparing for a career in teaching activities, movement skills and concepts. Minors will complete well-rounded experience in the discipline while emphasizing a "hands on" approach.

### **REQUIREMENTS**

Students must earn a grade of "C" or higher in all required courses for this program.

### **Courses**

EDUC 390P	Methods of Teaching K-12 Physical Education	3
HPER 100	Concepts of Fitness and Wellness	2
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 208	Introduction to Physical Education	3
HPER 210	First Aid and CPR	1
HPER 215	Systems and Functional Anatomy for Physical Education	3
HPER 215L	Systems and Functional Anatomy for Physical Education Lab	1
HPER 320	Teaching Weight Training	2
HPER 360	Adapted Physical Education	2
HPER 420	Organization and Administration of Physical Education	2

Students will choose a minimum of one of the following three courses:

HPER 316	Elementary Physical Education Activities, Skills and Methods	3
HPER 317	Middle School Physical Education Activities, Skills and Methods	2
HPER 318	Secondary Physical Education Activities, Skills and Methods	3

**Total Credit Hours: 21-22**

## COACHING MINOR

The Coaching Minor will be preparing for a career in coaching, techniques skills, logistics and coaching strategies. Minors will complete well-rounded experience in the discipline while emphasizing a “hands on” approach in specific sports the student pursues.

### REQUIREMENTS

#### Courses

HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid and CPR	1
HPER 215	Systems and Functional Anatomy for Physical Education	3
HPER 215L	Systems and Functional Anatomy for Physical Education Lab	1
HPER 320	Teaching Weight Training	2
HPER 328	Biomechanics	3
HPER 328L	Biomechanics Lab	1
HPER 410	Psychology and Sociology of Sport and Exercise	2
HPER 420	Organization and Administration of Physical Education	2
HPER 432	Physiology of Exercise	3
<b>Select two courses from the following:</b>		
HPER 330	Football Coaching	2
HPER 335	Volleyball Coaching	2
HPER 340	Basketball Coaching	2
HPER 345	Wrestling Coaching	2
HPER 350	Track and Field Coaching	2
HPER 355	Baseball/Softball Coaching	2

#### Varsity Athletics – one of three combinations:

- two credits in two different sports
- two different athletic enhancement classes
- combination of one varsity sport and one varsity athletic enhancement class

HPER 170 ()	Varsity Sport (Identified by sport)	1
HPER 174	Varsity Athletic Enhancement	1
HPER 177	Varsity Athletic Enhancement	1

Coaching minors who transfer to Dickinson State University must earn at least one varsity credit or athletic credit at DSU in addition to credits transferred. (These credits may not be used for general physical education course requirements.)

**Total Credit Hours: 26**

## EXERCISE SCIENCE MINOR

The Exercise Science Minor is to empower students to pursue careers in clinical professions, fitness, wellness, sport performance, public health, and research.

### REQUIREMENTS

#### General Education Requirements

MATH 103	College Algebra	4
PSYC 111	Introduction to Psychology	3

#### Courses

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid and CPR	1
HPER 215	Systems and Functional Anatomy for Physical Education	3
HPER 215L	Systems and Functional Anatomy for Physical Education Lab	1
HPER 240	Principles of Human Nutrition	3
HPER 241	Introduction to Exercise Science	3
HPER 300	Performance Assessment and Training Prescription	3
HPER 320	Teaching Weight Training	2
HPER 328	Biomechanics	3
HPER 328L	Biomechanics Lab	1
HPER 371	Performance Sport Assessment and Athletic Development I	2
HPER 372	Performance Sport Assessment and Athletic Development II	2
HPER 432	Physiology of Exercise	3

**Total Credit Hours: 40**

# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

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## College of Arts and Sciences

### Faculty

Full-time Faculty: M. Fries – Chair, M. Berg, J. Chen, S. Egli, H. Fike, B. Harris, P. Johanson, R. Olsen

### Mission

The Mathematics and Computer Science Department provides courses, training, degree programs, and outreach programs in order to prepare individuals to analyze and solve problems using the tools of mathematics and computing. Understanding and mastering these tools equips people to better approach the challenges of any discipline, career, or field of study. Also, the department prepares students for careers in mathematics, computing, and related professions.

### Participation in Writing Across the Curriculum and Writing in the Disciplines

By completing the designated courses for Mathematics (p. 28), Computer Science (p. 28), or Computer Technology Management (p. 28) degree programs, students will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum section of the catalog for the designated courses used to meet writing requirements for your program plan. Course descriptions will also identify courses that are part of the writing program.

## MATHEMATICS

### BACHELOR OF SCIENCE IN EDUCATION DEGREE - MATHEMATICS EDUCATION

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Math Education majors learn mathematics, pedagogical techniques, and supporting educational content needed for a licensed secondary math teacher.

#### Degree Requirements:

General Education Courses

Major Courses

Secondary Professional Education Sequence

*Degree available in Bismarck and DSUlive*

#### Student Learning Outcomes

A student successfully completing the above major will be able to:

1. Analyze a problem, model the problem mathematically, solve the model, and interpret the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
2. Work competently in the following areas of mathematics: calculus, geometry, algebra, analysis, and statistics. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and VI.)

3. Demonstrate knowledge of the history and axiomatic structure of mathematics. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and VI.)
4. Solve science and engineering problems by using various mathematical strategies. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, VI and VII.)
5. Demonstrate proficiency in the ten In Tasc Standards. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI and VII.)

## REQUIREMENTS

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### Mathematics Education Major Courses Secondary Education

Students must earn a grade of "C" or higher in all required courses for this program.

MATH 127	Matrix Fundamentals	2
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 208	Discrete Mathematics	3
MATH 259	Multivariate Calculus	4
MATH 266	Introduction to Differential Equations	4
MATH 326	Abstract Algebra	4
MATH 327	Linear Algebra	3
MATH 339	Topics in Geometry	2
MATH 411	Introduction to Real Analysis	4
MATH 425	Mathematical Statistics	4
MATH 430	History of Mathematics	3
MATH 491	Mathematics Seminar One Credit Required	1-6

#### Additional required courses:

CSCI 120	Computer Programming I	3
MATH 305	Probability and Statistics	4
MATH 338	Geometry for Teachers	2
MATH 377	Teaching Mathematics in the Middle Grades	3
SEED 390X	Teaching Secondary School Mathematics	3

**Subtotal: 57**

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

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The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

**Pre-Professional Courses**

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

**Professional Courses in Secondary Methods Block (must be taken concurrently):**

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field Experience II	1

**Professional Courses in Disciplinary Methods Block (must be taken concurrently):**

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

**Disciplinary Courses**

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498	Teaching in the Secondary School	13
		<b>Subtotal: 41</b>

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3
		<b>Subtotal: 41-49</b>

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 97-106**

**BACHELOR OF SCIENCE DEGREE - MATHEMATICS**

Mathematics majors learn mathematical theories and proof techniques which allow them to perform quantitative analysis in many fields of application.

**Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses  
Electives

**Degree Available in Bismarck and DSUlive**

**Student Learning Outcomes**

A student successfully completing the above major will be able to:

1. Analyze a problem, model the problem mathematically, solve the model, and interpret the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
2. Work competently in the following areas of mathematics including calculus, geometry, algebra, analysis and statistics. (This learning outcome directly addresses Institutional Learning Outcome I, II, III and VI.)
3. Demonstrate knowledge of the history and axiomatic structure of mathematics. (This learning outcome directly addresses Institutional Learning Outcome I, II, III, and VI.)
4. Solve science and engineering problems by using various mathematical strategies. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, VI and VII.)

**REQUIREMENTS****Mathematics Major Courses**

MATH 127	Matrix Fundamentals	2
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 208	Discrete Mathematics	3
MATH 259	Multivariate Calculus	4
MATH 266	Introduction to Differential Equations	4
MATH 326	Abstract Algebra	4
MATH 327	Linear Algebra	3
MATH 339	Topics in Geometry	2
MATH 411	Introduction to Real Analysis	4
MATH 425	Mathematical Statistics	4
MATH 430	History of Mathematics	3
MATH 491	Mathematics Seminar	1-6
	One Credit Required	

**Total Credit Hours: 42**

## MATHEMATICS EDUCATION MINOR - SECONDARY EDUCATION

The secondary education math minor includes content knowledge and pedagogical techniques for secondary education majors to qualify to teach secondary mathematics as well.

### REQUIREMENTS

Students must earn a grade of "C" or higher in all required courses for this program.

#### Courses

MATH 127	Matrix Fundamentals	2
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 208	Discrete Mathematics	3
MATH 305	Probability and Statistics	4
MATH 326	Abstract Algebra	4
MATH 338	Geometry for Teachers	2
MATH 377	Teaching Mathematics in the Middle Grades	3
SEED 390X	Teaching Secondary School Mathematics	3

**Total Credit Hours: 29**

## MATHEMATICS MINOR

Mathematics minors learn mathematical theories and proof techniques which allow them to perform quantitative analysis in many fields of application.

### REQUIREMENTS

#### Courses

MATH 127	Matrix Fundamentals	2
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 208	Discrete Mathematics	3
MATH 326	Abstract Algebra	4
MATH 339	Topics in Geometry	2
MATH 425	Mathematical Statistics	4
	Electives	3

**Total Credit Hours: 26**

Electives - (Mathematics courses numbered above MATH 208 except MATH 277 - Mathematics for Elementary Teachers I, MATH 278 - Mathematics for Elementary Teachers II and MATH 377 - Mathematics for Secondary Education).

## COMPUTER SCIENCE

## BACHELOR OF SCIENCE DEGREE - COMPUTER SCIENCE

Computer Science majors study hardware and software design as a basis for understanding and creating apps to improve personal, business, or scientific processes.

### Degree Requirements:

General Education Courses  
Major Courses  
Electives

*Degree available in Bismarck and DSUlive*

## Student Learning Outcomes

A student successfully completing the above major will be able to:

1. Explain the capabilities and limitations of computers and algorithms. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
2. Design and implement software. (This learning outcome directly addresses Institutional Learning Outcomes II, III and VI.)
3. Program in several languages including the ability to self-learn new languages. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
4. Apply their computer science academic knowledge in the context of professional development. (This learning outcome directly addresses Institutional Learning Outcomes V and VI.)

### REQUIREMENTS

**Choose one course from the following electives:**

CSCI 181	Web Management	3
CSCI 185	Linux Operating Systems	3
CSCI 221	Computer Networks	3
CSCI 485	Data Mining	4

#### Computer Science Major Courses

CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
CSCI 174	Intermediate Programming In C++	4
CSCI 300	Programming Languages	3
CSCI 301	Software Engineering	3
CSCI 303	Scripting Programming	3
CSCI 310	Advanced Computer Programming In Java	4
CSCI 342	Object Programming With Data Structures	4
CSCI 360	Database Management	4
CSCI 370	Computer Organization	4
CSCI 401	Object-Oriented Analysis and Design	4
CSCI 420	Algorithm Analysis and Theory	4
CSCI 430	Operating Systems	4
CSCI 486	Social Implications of Computing	3
CSCI 491	Computer Science Seminar	1-6
	Three Credits Required	
MATH 165	Calculus I	4
MATH 208	Discrete Mathematics	3

**Total Credit Hours: 65-66**

## BACHELOR OF SCIENCE DEGREE - COMPUTER TECHNOLOGY MANAGEMENT

Computer Technology Management majors study topics from business and computer science to learn how to manage the use of technology in an enterprise.

### Degree Requirements:

General Education Courses  
Major Courses  
Electives

*Degree available in Bismarck and DSUlive*

### Student Learning Outcomes

A student successfully completing this above major will be able to:

1. Create effective strategies to prepare for the future of computer technology in an enterprise. This will involve planning, budgeting and knowledge of trends in computer hardware and software. (This learning outcome directly addresses Institutional Learning Outcomes II, III and VI.)
2. Describe computer hardware and software functions and explain searching strategies and mechanisms. (This learning outcome directly addresses Institutional Learning Outcomes II, III and VI.)
3. Apply analytical problem-solving techniques used to diagnose, recommend, and communicate solutions to business problems. (This learning outcome directly addresses Institutional Learning Outcomes II, III and VI.)
4. Develop the team and interaction skills necessary to work with others in the computer technology area of an enterprise. (This learning outcome directly addresses Institutional Learning Outcomes II, III and VI.)
5. Apply their computer technology management academic knowledge in the context of professional development. (This learning outcome directly addresses Institutional Learning Outcome V and VI.)

## REQUIREMENTS

### Computer Technology Management Courses

BADM 336	Management and Leadership	3
BADM 356	Organizational Behavior	3
BADM 364	Electronic Commerce	3
BADM 388	Management Information Systems	3
BOTE 218	Desktop Publishing	3
BOTE 247	Spreadsheet Applications	3
CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
CSCI 181	Web Management	3
CSCI 185	Linux Operating Systems	3
CSCI 200	Database Software Applications	3
CSCI 210	PC Hardware and Software Management	3
CSCI 220	Computer Aided Design	3
CSCI 221	Computer Networks	3
CSCI 360	Database Management	4
CSCI 486	Social Implications of Computing	3

CSCI 491	Computer Science Seminar Three Credits Required	1-6
GDES 241	Graphic Design I OR	3
GIS 380	Applied Arc GIS	3
MATH 208	Discrete Mathematics OR	3
MATH 305	Probability and Statistics	4

**Total Credit Hours: 60-61**

## BACHELOR OF SCIENCE DEGREE - INFORMATION ANALYTICS

Information Analytics majors combine ideas from mathematics, business, and computer science to make data-driven business decisions. Data scientists are quickly becoming an important part of the business world.

### Degree Requirements:

General Education Courses  
Major Courses  
Electives

*Degree available in Bismarck and DSUlive*

### Student Learning Outcomes

A student successfully completing the above major will be able to:

1. Analyze large and realistic data sets (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI)
2. Apply analytical problem-solving techniques used to diagnose, recommend, and communicate solutions to business problems (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI)
3. Code solutions to problems in a variety of applications areas using a variety of computer languages (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI)
4. Apply their information analytics academic knowledge in the context of professional development. (This learning outcome directly addresses Institutional Learning Outcomes V and VI.)

## REQUIREMENTS

### Required Courses

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BADM 336	Management and Leadership	3
BADM 388	Management Information Systems	3
BOTE 247	Spreadsheet Applications	3
CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
CSCI 181	Web Management	3
CSCI 200	Database Software Applications	3
CSCI 303	Scripting Programming	3
CSCI 360	Database Management	4
CSCI 485	Data Mining	4



CSCI 486	Social Implications of Computing	3
CSCI 491	Computer Science Seminar Three credits required (must be taken in one semester)	1-6
ECON 201	Principles Of Microeconomics	3
ECON 202	Principles Of Macro-Economics	3
MATH 305	Probability and Statistics	4
MRKT 301	Principles of Marketing	3

**Calculus**

Select one of the following:

MATH 146	Applied Calculus I	3
MATH 165	Calculus I	4

**Computer Science Electives**

Computer Science Electives	3
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Select three additional credit hours other than CSCI 101 or CSCI 120

**Total Credit Hours: 65-66**

**COMPUTER SCIENCE MINOR - TRADITIONAL**

Computer Science minors study hardware and software design as a basis for understanding and creating apps to improve personal, business, or scientific processes.

Unacceptable minor for any of the computer science majors.

**REQUIREMENTS****Courses**

CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
CSCI 174	Intermediate Programming In C++	4
CSCI 300	Programming Languages	3
CSCI 301	Software Engineering	3
CSCI 342	Object Programming With Data Structures	4

CSCI 491	Computer Science Seminar Three Credits Required	1-6
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MATH 208	Discrete Mathematics	3
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**Total Credit Hours: 28**

**COMPUTER PROGRAMMING CERTIFICATE**

The computer programming certificate includes essential programming skills for procedural, object-oriented, and scripting programming.

**Degree available DSUlive**

**Required Courses**

CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
CSCI 174	Intermediate Programming In C++	4
CSCI 303	Scripting Programming	3

**Total Credit Hours: 15**

**WEB MANAGEMENT CERTIFICATE**

The web management certificate teaches essential skills for creating and maintaining web sites using contemporary design techniques.

**Degree available DSUlive**

**Required Courses**

CSCI 120	Computer Programming I	3
ART 122	Two-Dimensional Design	3
GDES 241	Graphic Design I	3
GDES 347	Web Design	3
CSCI 181	Web Management	3

**Total Credit Hours: 15**

## DEPARTMENT OF NATURAL SCIENCES

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### **College of Arts and Sciences**

#### **Faculty**

Full-time Faculty: - Chair, P. Barnhart, C. Brevik, K. Ogawa, K. Reeping, J. Steffan, C. Whippo

#### **Mission**

The Department of Natural Sciences provides coursework, degree programs, and expertise in biology, chemistry, earth science, environmental sciences, and physics to the university, region, and state with the goals of training graduates for successful careers in these areas and contributing to the intellectual, economic, and cultural development of Southwestern North Dakota.

#### **Participation in Writing Across the Curriculum and Writing in the Disciplines**

By completing the designated courses for the Biology, Chemistry, Composite Science Education, Environmental Health, or Environmental Science programs, the student will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum (p. 28) section of the catalog for the designated courses used to meet writing requirements for your program plan or option. Course descriptions will also identify courses that are part of the writing program.

#### **Guidelines from accrediting agencies and professional societies are used in designing programs and courses:**

For all degree programs within the Department of Natural Sciences, no on-line classes will be accepted in place of face- to-face courses with laboratories. Students can file for an exception with the Department Chair if it can be demonstrated that all 3 of the following conditions have been met:

1. The required science class was not offered at least TWO times over the course of a standard eight-semester college experience.
2. The student can provide documentation of the conflict(s) that prevented enrollment in the face-to-face course when it was offered.
3. The student can provide evidence that they have met with and followed the recommendations of their appropriate, assigned post-freshman advisor prior to the required course offerings.

University policy states that science labs cannot be offered as directed studies and lower level courses (100 and 200) will not be offered through directed Studies unless special circumstances warrant such an offering ( DSU Policy No. 530.004).

#### **Note to Biology Majors and Minors:**

Any biology course not specifically listed as a required course for the degree may be counted as an elective, except for Pathophysiology (BIOL 357) and Environmental Health Economics, Law and Public Policy Development (BIOL 375).

#### **BIOLOGY**

### **BACHELOR OF SCIENCE IN EDUCATION DEGREE - BIOLOGY EDUCATION**

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This program prepares students to become middle-school and high-school biology teachers.

#### **Degree Requirements:**

General Education Courses  
Major Courses  
Secondary Professional Education Sequence

#### **Student Learning Outcomes**

A student successfully completing the above major will be able to:

1. Integrate scientific knowledge from biology, chemistry, and physics. (This learning outcome directly addresses Institutional Learning Outcomes II,VI and VII.)
2. Design experiments and analyze data. (This learning outcome directly addresses Institutional Learning Outcomes I,II, VI and VII.)
3. Communicate through writing and communicate orally successfully. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
4. Comprehend the scientific method. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)

#### **REQUIREMENTS**

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#### **Biology Education Major Courses Secondary Education**

In order to graduate, a grade of "C" or better is required in courses taken in fulfillment of a natural sciences degree or minor as well as ENGL 110, ENGL 120 and COMM 110.

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 170	General Zoology	3
BIOL 170L	General Zoology Lab	1
BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 254	Introduction to Botany	4
BIOL 305	General Microbiology	4
BIOL 315	Genetics	4
BIOL 375	Environmental Economics, Law and Public Policy	3
BIOL 415	Ecology	4
BIOL 459	Evolution	3

BIOL 480	Lab Practicum One Credit Required	1-2
SCNC 389	Scientific Writings and Readings	2
SEED 490S	Secondary Education Science Methods	3
<b>Required in other areas:</b>		
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
GEOL 105	Physical Geology	3
	And	
GEOL 105L	Physical Geology Lab	1
	Or	
GEOL 106	The Earth Through Time	3
	And	
GEOL 106L	The Earth Through Time Lab	1
PHYS 211	College Physics I	3
	And	
PHYS 211L	College Physics I Lab	1
	Or	
PHYS 251	University Physics I	4
	And	
PHYS 251L	University Physics I Lab	1
PHYS 212	College Physics II	3
	And	
PHYS 212L	College Physics II Lab	1
	Or	
PHYS 252	University Physics II	4
	And	
PHYS 252L	University Physics II Lab	1
MATH 107	Pre-Calculus	4
MATH 305	Probability and Statistics	4

**Subtotal: 74-76**

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

### Pre-Professional Courses

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field	1

Experience II

### Professional Courses in Disciplinary Methods Block (must be taken concurrently):

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

### Disciplinary Courses

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

### Additional Professional Courses:

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

### Student Teaching Semester

SEED 498	Teaching in the Secondary School	13
		<b>Subtotal: 41</b>

All professional courses have a prerequisite of admission to Teacher Education.

### Professional Course Electives

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3

**Subtotal: 41-49**

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 115-125**

## BACHELOR OF SCIENCE DEGREE - BIOLOGY

### Degree Requirements:

General Education Courses  
Core Curriculum  
Option(s) Courses

### Student Learning Outcomes

A student successfully completing the Biology Major will be able to:

1. Integrate scientific knowledge from biology, chemistry, and physics. (This learning outcome directly addresses Institutional Learning Outcomes II, VI and VII.)
2. Design experiments and analyze data. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI and VII.)
3. Communicate through writing and communicate orally successfully. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
4. Comprehend the scientific method. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)

### REQUIREMENTS

#### Biology Core Curriculum

*In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.*

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 170	General Zoology	3
BIOL 170L	General Zoology Lab	1
BIOL 254	Introduction to Botany	4
BIOL 305	General Microbiology	4
BIOL 315	Genetics	4
BIOL 405	Biometry	3
BIOL 459	Evolution	3
BIOL 390	Biology Research I	1
BIOL 490	Biology Research II	1
BIOL 491	Biology Seminar	1
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
SCNC 291	Sophomore Science Seminar	1
SCNC 389	Scientific Writings and Readings	2
<b>Subtotal: 46</b>		

MATH 165, MATH 166: (strongly recommended) especially if considering professional or graduate school studies.

### OPTIONS

Students must select and complete at least one option (Pre-Medical Science, Pre-Physical Therapy, Pre-Veterinary Science, Organismal Biology, or Cellular and Molecular Biology) to complete the Bachelor of Science in Biology degree.

#### Pre-Medical Science Option

This program prepares students to attend a medical professional program after graduation. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to succeed in medical school, dental school, or optometry school.

BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 221	Anatomy and Physiology II and Lab	4
BIOL 330	Cell Biology	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
CHEM 460	Biochemistry	4

#### Select one of the following:

BIOL 410	Animal Physiology	4
BIOL 440	Immunology	3

#### Select a Year of College or University Physics

PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1

**Subtotal: 37-40**

#### Pre-Physical Therapy Option

This program prepares students to attend physical therapy or chiropractic school after graduation. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to succeed in a physical therapy-related profession.

*Students selecting this option will be required to take PSYC 111 - Introduction to Psychology as part of the General Education requirements.*

BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 221	Anatomy and Physiology II and Lab	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 460	Biochemistry	4
HPER 328	Biomechanics	3
HPER 328L	Biomechanics Lab	1
HPER 410	Psychology and Sociology of Sport and Exercise	2
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1
PSYC 250	Developmental Psychology	3
PSYC 370	Abnormal Psychology	3

**Select one of the following:**

BIOL 410	Animal Physiology	4
BIOL 440	Immunology	3

**Subtotal: 40-41****Pre-Veterinary Science Option**

This program prepares students to attend a veterinary school after graduation. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to succeed in vet school.

BIOL 410	Animal Physiology	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
CHEM 460	Biochemistry	4

**Select Four of the Following Courses:**

ANSC 470	Applied Ruminant Nutrition	3
BIOL 330	Cell Biology	4
BIOL 425	Animal Behavior	3
BIOL 440	Immunology	3
VETS 339	Animal Health	3

**Select a Year of College or University Physics**

PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1

**Subtotal: 38-41****Organismal Biology Option**

This program prepares students for careers related to plants and animals. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to start a career as a zoologist, botanist, ecologist, wildlife specialist, and so much more. This program also prepares students to attend graduate school to gain additional education related to organismal biology.

BIOL 250	Wildlife Management	3
BIOL 410	Animal Physiology	4
BIOL 415	Ecology	4
BIOL 425	Animal Behavior	3
BIOL 454	Plant Physiology	4
BIOL 455	Soil Microbiology	3
GIS 380	Applied Arc GIS	3

**Select Two of the Following:**

RNG 350	Range Plants and Communities	3
RNG 458	Rangeland Ecology	3
SOIL 210	Introduction to Soil Science	4
SOIL 322	Soil Fertility and Fertilizers	3
PLSC 323	Principles Of Weed Science	3

**Select a Year of College or University Physics OR a Year of Organic Chemistry**

CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
PHYS 211	College Physics I	3

PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1

**Subtotal: 38-41****Cellular and Molecular Biology Option**

This program prepares students for careers related to biology at the cellular and molecular level. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to start a career as a cancer researcher, immunologist, epidemiologist, geneticist, and so much more. This program also prepares students to attend graduate school to gain additional education related to cellular and molecular biology.

BIOL 330	Cell Biology	4
BIOL 410	Animal Physiology	4
BIOL 440	Immunology	3
BIOL 454	Plant Physiology	4
BIOL 455	Soil Microbiology	3
CHEM 460	Biochemistry	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1

**Select a Year of College or University Physics**

PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	4

**Subtotal: 40-42****Total Credit Hours: 83-87****ASSOCIATE IN SCIENCE DEGREE – BIOLOGY OPTION**

This program prepares students for careers such as a medical assistant, pharmaceutical and medical sales professional, agricultural and food science technician, biological technician, forest and conservation technician, plant science technician, or research assistant. It can also be used as a starting point from which to add on a B.S. in Biology after completion of the A.S. degree.

**Degree Requirements:**

General Education Courses  
Major Courses  
Biology Option

**Student Learning Outcomes**

A student successfully completing the above major will be able to:

1. Integrate scientific knowledge from biology, chemistry, and physics. (This learning outcome directly addresses Institutional Learning Outcomes II, VI and VII.)

- Design experiments and analyze data. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI and VII.)
- Communicate through writing and communicate orally successfully. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
- Comprehend the scientific method. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)

## REQUIREMENTS

### Core Curriculum

In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.

CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1

### Biology Option Requirements

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1

Choose three lab/lecture combinations from the following (12-14 credits):

BIOL 170	General Zoology	3
BIOL 170L	General Zoology Lab	1
BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 221	Anatomy and Physiology II and Lab	4
BIOL 254	Introduction to Botany	4
BIOL 305	General Microbiology	4
BIOL 315	Genetics	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1

**Total Credit Hours: 30-32**

## BIOLOGY MINOR

When this minor is added to a Bachelor's Degree, it opens up an increased number of job opportunities.

Professionals with science backgrounds are sought after by a large variety of employers in industry, research, government, and non-profit organizations. For example, add this minor to a B.S. in Exercise Science Degree to increase your future career potentials, or add this minor to a secondary teaching degree to allow you to teach high school biology.

## REQUIREMENTS

In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.

## Courses

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 170	General Zoology And	3
BIOL 170L	General Zoology Lab Or	1
BIOL 254	Introduction to Botany Or	4
BIOL 305	General Microbiology	4
BIOL 315	Genetics	4
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II Electives	1 9

**Total Credit Hours: 35**

Only one credit of BIOL 380/BIOL 480 - Lab Practicum and no more than 6 credits of BIOL 494 - Independent Study, Undergraduate Research may be applied to a Biology minor. The nine credit hours of electives must be 200 level or greater courses with the BIOL prefix.

## CHEMISTRY

### BACHELOR OF SCIENCE IN EDUCATION DEGREE - CHEMISTRY EDUCATION

This program prepares students to become middle-school and high-school chemistry teachers.

### Degree Requirements:

General Education Courses  
Major Courses  
Professional Secondary Education Sequence

### Student Learning Outcomes

A student successfully completing the Chemistry major or minor will be able to:

- Integrate knowledge. (This learning outcome directly addresses Institutional Learning Outcomes I and VII.)
- Read, analyze and evaluate experimental data. (This learning outcome directly addresses Institutional Learning Outcomes I, II and VI.)
- Communicate scientific ideas in written form. (This learning outcome directly addresses Institutional Learning Outcomes I, III and VII.)
- Communicate scientific ideas in oral form. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and VII.)
- Demonstrate awareness of major chemistry issues and appreciate the global system. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, VI and VII.)

**REQUIREMENTS****Chemistry Education Major Courses Secondary Education**

In order to graduate, a grade of "C" or better is required in courses taken in fulfillment of a natural sciences degree or minor as well as ENGL 110, ENGL 120 and COMM 110.

BIOL 375	Environmental Economics, Law and Public Policy	3
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
CHEM 330	Quantitative Analysis	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
CHEM 420	Inorganic Chemistry	3
CHEM 461	Physical Chemistry I	3
CHEM 461L	Physical Chemistry Lab I	1
CHEM 480	Lab Practicum	1-2
SEED 490S	Secondary Education Science Methods	3

**Subtotal: 38-39****Required in other areas:**

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
GEOL 105	Physical Geology And	3
GEOL 105L	Physical Geology Lab Or	1
GEOL 106	The Earth Through Time And	3
GEOL 106L	The Earth Through Time Lab	1
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 305	Probability and Statistics	4
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1

**Subtotal: 30****SECONDARY PROFESSIONAL EDUCATION SEQUENCE**

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

**Pre-Professional Courses**

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

**Professional Courses in Secondary Methods Block (must be taken concurrently):**

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I Or	1
SEED 398C	Secondary Methods Block Field Experience II	1

**Professional Courses in Disciplinary Methods Block (must be taken concurrently):**

SEED 398C	Secondary Methods Block Field Experience II Or	1
SEED 398B	Secondary Methods Block Field Experience I	1

**Disciplinary Courses**

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498	Teaching in the Secondary School	13
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**Subtotal: 41**

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3

**Subtotal: 41-49**

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 107-115**

## BACHELOR OF SCIENCE DEGREE - CHEMISTRY

### Degree Requirements:

General Education Courses  
Core Curriculum  
Option(s) Courses

### Student Learning Outcomes

A student successfully completing the Chemistry major or minor will be able to:

1. Integrate knowledge. (This learning outcome directly addresses Institutional Learning Outcomes I and VII.)
2. Read, analyze and evaluate experimental data. (This learning outcome directly addresses Institutional Learning Outcomes I, II and VI.)
3. Communicate scientific ideas in written form. (This learning outcome directly addresses Institutional Learning Outcomes I, III and VII.)
4. Communicate scientific ideas in oral form. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and VII.)
5. Demonstrate awareness of major chemistry issues and appreciate the global system. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, VI and VII.)

### REQUIREMENTS

#### Chemistry Core Curriculum

*In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.*

CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
CHEM 330	Quantitative Analysis	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
CHEM 390	Chemistry Research I	1
CHEM 420	Inorganic Chemistry	3
CHEM 461	Physical Chemistry I	3
CHEM 461L	Physical Chemistry Lab I	1
CHEM 462	Physical Chemistry II	3
CHEM 462L	Physical Chemistry Lab II	1
CHEM 490	Chemistry Research II	1
CHEM 491	Chemistry Seminar One Credit Required	1-6
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
MATH 165	Calculus I	4
MATH 166	Calculus II	4
SCNC 291	Sophomore Science Seminar	1
SCNC 389	Scientific Writings and Readings	2
<b>Subtotal: 54</b>		

#### Pre-Medical Science Option

This program is for students interested in attending a medical professional program after graduation. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to succeed in medical school, dental school, or optometry school. This program also prepares students to attend graduate school to gain additional education related to biochemistry.

CHEM 460	Biochemistry	4
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1
BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 150L	General Biology I Lab	1
BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 221	Anatomy and Physiology II and Lab	4
BIOL 315	Genetics	4
BIOL 330	Cell Biology	4
<b>Subtotal: 33</b>		

#### Professional Option

This program prepares students for careers in chemistry. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to start a career as chemist, working in industries such as pharmaceutical, food science, material science, and so much more. This program also prepares students to attend graduate school to gain additional education related to chemistry and chemical engineering.

CHEM 335	Analytical Instrumentation	4
CHEM 440	Advanced Organic Chemistry	3
CHEM 470	Spectroscopy	3
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1
MATH 259	Multivariate Calculus	4
<b>Subtotal: 19</b>		

#### Geology Option

This program prepares students for long-term careers in chemistry with a focus on geology and the energy industry. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to start a career as chemist working for an oil company, an environmental consulting company, a geological survey company, and so much more. This program also prepares students to attend chemistry graduate school to gain additional education.

CHEM 335	Analytical Instrumentation	4
CHEM 470	Spectroscopy	3
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GEOL 106	The Earth Through Time	3
GEOL 106L	The Earth Through Time Lab	1
GEOL 320	Hydrogeology	3
GEOL 330	Physical Geology of North Dakota	3
<b>Subtotal: 26</b>		



**Pre-Pharmacy Option**

This program is for students interested in attending a pharmacy school after graduation. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to succeed as a pharmacist.

CHEM 460	Biochemistry	4
BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 221	Anatomy and Physiology II and Lab	4
BIOL 305	General Microbiology	4
MATH 305	Probability and Statistics	4
<b>Subtotal:</b>		<b>28</b>

**Pre-Pharmacy Option -Biology Elective**

BIOL 315	Genetics	4
	Or	
BIOL 330	Cell Biology	4
<b>Subtotal:</b>		<b>4</b>

**Total Credit Hours: 73-87**

**ASSOCIATE IN SCIENCE DEGREE – CHEMISTRY OPTION**

This program is for students interested in careers such as a chemistry research associate, chemistry laboratory assistant, medical lab assistant, or pharmaceutical and medical sales professional. It can also be used as a starting point from which to add on a B.S. in Chemistry after completion of the A.S. degree.

**Degree Requirements:**

General Education Courses  
Major Courses  
Chemistry Option

**Student Learning Outcomes**

A student successfully completing the above major will be able to:

1. Integrate scientific knowledge from biology, chemistry, and physics. (This learning outcome directly addresses Institutional Learning Outcomes II, VI and VII.)
2. Design experiments and analyze data. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI and VII.)
3. Communicate through writing and communicate orally successfully. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
4. Comprehend the scientific method. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)

**REQUIREMENTS****Core Curriculum**

*In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.*

CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1

**Chemistry Option Requirements**

CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1

**Choose three lab/lecture combinations or MATH courses (12-14 credits):**

CHEM 330	Quantitative Analysis	4
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
MATH 165	Calculus I	4
MATH 166	Calculus II	4
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1

**Subtotal: 27-29**

**CHEMISTRY MINOR**

When this minor is added to a Bachelor's Degree, it opens up an increased number of job opportunities.

Professionals with science backgrounds are sought after by a large variety of employers in industry, research, government, and non-profit organizations. For example, add this minor to a B.S. in Biology to increase your appeal to future employers and add diversity to your resume, or add this minor to a secondary teaching degree to allow you to teach high school chemistry.

**REQUIREMENTS**

*In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.*

**Courses**

CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
CHEM 330	Quantitative Analysis	4
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
	Chemistry Electives	3
<b>Total Credit Hours:</b>		<b>27</b>

**COMPOSITE SCIENCE****BACHELOR OF SCIENCE IN  
EDUCATION DEGREE - COMPOSITE  
SCIENCE EDUCATION (BIOLOGY  
TRACK)**

This program prepares students to become middle-school and high-school science teachers. This is an especially good choice for students who want to teach in smaller communities where they will be teaching many of the sciences. Be prepared to teach biology, but also have a strong enough background to teach chemistry and earth science as well.

**Degree Requirements:**

General Education Courses

Major Courses

Secondary Professional Education Sequence

**Student Learning Outcomes**

A student successfully completing the above major will be able to:

1. Integrate knowledge from various scientific disciplines (i.e., biology, chemistry, earth science, physics) to address real world problems and appreciate the interconnectedness of the scientific disciplines. (This learning outcome directly addresses Institutional Learning Outcomes I, VI and VII.)
2. Design a valid scientific experiment and analyze the resulting data. (This learning outcome directly addresses Institutional Learning Outcomes I, II and VI.)
3. Read, interpret and evaluate information presented in media ranging from public news sources to scientific papers. (This learning outcome directly addresses Institutional Learning Outcomes I, and III.)
4. Accurately communicate scientific ideas in written and oral form. (This learning outcome directly addresses Institutional Learning Outcomes III, VI, and VII.)
5. Demonstrate an awareness of major global scientific issues and appreciate the interconnectedness of the global system. (This learning outcome directly addresses Institutional Learning Outcomes I, V, VI and VII.)

**REQUIREMENTS****Composite Science Education Major Courses -  
Biology Track**

Students in the Composite Science Education (Biology Track) major are required to take MATH 107 as their Group IIB General Education requirement. If MATH 107 is not taken as the IIB GE requirement, it must be taken to fulfill the requirements of the degree program.

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1

BIOL 170	General Zoology And	3
BIOL 170L	General Zoology Lab Or	1
BIOL 254	Introduction to Botany	4
BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 315	Genetics	4
BIOL 375	Environmental Economics, Law and Public Policy	3
BIOL 480	Lab Practicum One Credit Required	1-2
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GEOL 106	The Earth Through Time	3
GEOL 106L	The Earth Through Time Lab	1
MATH 305	Probability and Statistics	4
PHYS 110	Introductory Astronomy	3
PHYS 110L	Introductory Astronomy Lab	1
PHYS 211	College Physics I And	3
PHYS 211L	College Physics I Lab Or	1
PHYS 251	University Physics I And	4
PHYS 251L	University Physics I Lab	1
PHYS 212	College Physics II And	3
PHYS 212L	College Physics II Lab Or	1
PHYS 252	University Physics II And	4
PHYS 252L	University Physics II Lab	1
SCNC 315	Weather and Climate	3
SCNC 389	Scientific Writings and Readings	2
SEED 490S	Secondary Education Science Methods	3

**Subtotal: 71-73**

In order to graduate, a grade of "C" or better is required in courses taken in fulfillment of a natural sciences degree or minor as well as ENGL 110, ENGL 120 and COMM 110.

**SECONDARY PROFESSIONAL EDUCATION  
SEQUENCE**

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog.

A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

### Pre-Professional Courses

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I Or	1
SEED 398C	Secondary Methods Block Field Experience II	1

### Professional Courses in Disciplinary Methods Block (must be taken concurrently):

SEED 398C	Secondary Methods Block Field Experience II Or	1
SEED 398B	Secondary Methods Block Field Experience I	1

### Disciplinary Courses

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

### Additional Professional Courses:

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

### Student Teaching Semester

SEED 498	Teaching in the Secondary School	13
		<b>Subtotal: 41</b>

All professional courses have a prerequisite of admission to Teacher Education.

### Professional Course Electives

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3
		<b>Subtotal: 41-49</b>

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 112-122**

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - COMPOSITE SCIENCE EDUCATION (EARTH SCIENCE TRACK)

This program prepares students to become middle-school and high-school science teachers. This is an especially good choice for students who want to teach in smaller communities where they will be teaching many of the sciences. Be prepared to teach earth science, but also have a strong enough background to teach biology and chemistry as well.

### Degree Requirements:

General Education Courses  
Major Courses  
Secondary Professional Education Courses

### Student Learning Outcomes

A student successfully completing the Composite Science Education major will be able to:

1. Integrate knowledge from various scientific disciplines (i.e., biology, chemistry, earth science, physics) to address real world problems and appreciate the interconnectedness of the scientific disciplines. (This learning outcome directly addresses Institutional Learning Outcomes I, VI and VII.)
2. Design a valid scientific experiment and analyze the resulting data. (This learning outcome directly addresses Institutional Learning Outcomes I, II and VI.)
3. Read, interpret and evaluate information presented in media ranging from public news sources to scientific papers. (This learning outcome directly addresses Institutional Learning Outcomes I, and III.)
4. Accurately communicate scientific ideas in written and oral form. (This learning outcome directly addresses Institutional Learning Outcomes III, VI, and VII.)
5. Demonstrate an awareness of major global scientific issues and appreciate the interconnectedness of the global system. (This learning outcome directly addresses Institutional Learning Outcomes I, V, VI and VII.)

**REQUIREMENTS****Composite Science Education Earth Science Track**

Students in the Composite Science Education (Earth Science Track) major are required to take MATH 107 as their Group IIB General Education requirement. If MATH 107 is not taken as the IIB GE requirement, it must be taken to fulfill the requirements of the degree program.

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 305	General Microbiology	4
BIOL 375	Environmental Economics, Law and Public Policy	3
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GEOL 106	The Earth Through Time	3
GEOL 106L	The Earth Through Time Lab	1
GEOL 311	Process Geomorphology	4
GEOL 320	Hydrogeology	3
GEOL 330	Physical Geology of North Dakota	3
MATH 305	Probability and Statistics	4
PHYS 110	Introductory Astronomy	3
PHYS 110L	Introductory Astronomy Lab	1
PHYS 211	College Physics I And	3
PHYS 211L	College Physics I Lab Or	1
PHYS 251	University Physics I And	4
PHYS 251L	University Physics I Lab	1
PHYS 212	College Physics II And	3
PHYS 212L	College Physics II Lab Or	1
PHYS 252	University Physics II And	4
PHYS 252L	University Physics II Lab	1
SCNC 315	Weather and Climate	3
SCNC 389	Scientific Writings and Readings	2
SCNC 480	Lab Practicum	1
SEED 490S	Secondary Education Science Methods	3

**Subtotal: 73-75**

In order to graduate, a grade of "C" or better is required in courses taken in fulfillment of a natural sciences degree or minor as well as ENGL 110, ENGL 120 and COMM 110.

**SECONDARY PROFESSIONAL EDUCATION SEQUENCE**

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

**Pre-Professional Courses**

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

**Professional Courses in Secondary Methods Block (must be taken concurrently):**

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I Or	1
SEED 398C	Secondary Methods Block Field Experience II	1

**Professional Courses in Disciplinary Methods Block (must be taken concurrently):**

SEED 398C	Secondary Methods Block Field Experience II Or	1
SEED 398B	Secondary Methods Block Field Experience I	1

**Disciplinary Courses**

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498 Teaching in the Secondary School 13

**Subtotal: 41**

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305 Philosophy and Curriculum of Middle School 2

EDUC 310 Methods of Teaching in Middle School 2

EDUC 350 Portfolio Preparation 1

SEED 370 Reading in the Content Areas 3

**Subtotal: 41-49**

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 114-124****EARTH SCIENCE****EARTH SCIENCE MINOR**

When this minor is added to a Bachelor's Degree, it opens up an increased number of job opportunities.

Professionals with science backgrounds are sought after by a large variety of employers in industry, research, government, and non-profit organizations. For example, add this minor to a B.S. in Environmental Science to increase your appeal to future employers and add diversity to your resume, or add this minor to a secondary teaching degree to allow you to teach middle school earth science.

**Student Learning Outcomes**

A student successfully completing the above minor will be able to:

1. Integrate scientific knowledge from various scientific disciplines (i.e., chemistry, geology, physics. (This learning outcome directly addresses Institutional Learning Outcomes I, VI and VII.)
2. Read, interpret and evaluate information presented in public media sources. (This learning outcome directly addresses Institutional Learning Outcomes I and III.)
3. Accurately communicate basic scientific ideas in written form. (This learning outcome directly addresses Institutional Learning Outcomes III, VI and VII.)
4. Demonstrate an awareness of major global issues related to the sciences. (This learning outcome directly addresses Institutional Learning Outcomes I, V, VI and VI.)

**REQUIREMENTS****Courses**

GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GEOL 106	The Earth Through Time	3
GEOL 106L	The Earth Through Time Lab	1
GEOL 311	Process Geomorphology	4
PHYS 110	Introductory Astronomy	3

PHYS 110L Introductory Astronomy Lab 1

SCNC 315 Weather and Climate 3

**Select two courses from the following (6-7)**

GEOL 320 Hydrogeology 3

GEOL 330 Physical Geology of North Dakota 3

GEOL 499	Special Topics, Readings	1-6
Three to Six Credits Allowed		

GIS 380 Applied Arc GIS 3

SOIL 444 Soil Genesis and Survey 4

**Total Credit Hours: 25-26**

In order to graduate, a grade of "C" or better is required in courses taken in fulfillment of a natural sciences degree or minor as well as ENGL 110, ENGL 120 and COMM 110.

**ENGINEERING****ASSOCIATE IN SCIENCE DEGREE – ENGINEERING OPTION**

This program starts students on the road to a variety of engineering careers. The degree will allow a student to work in such careers as an engineering technician, or it is a good starting point for students who wish to complete two years and then transfer to a B.S. in engineering program.

**Degree Requirements:**

General Education Courses

Major Courses

Engineering Option

**Student Learning Outcomes**

A student successfully completing the above major will be able to:

1. Integrate scientific knowledge from biology, chemistry, and physics. (This learning outcome directly addresses Institutional Learning Outcomes II, VI and VII.)
2. Design experiments and analyze data. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI and VII.)
3. Communicate through writing and communicate orally successfully. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
4. Comprehend the scientific method. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)

**REQUIREMENTS****Core Curriculum**

**In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.**

CHEM 121 General Chemistry I 4

CHEM 121L General Chemistry Lab I 1

CHEM 122 General Chemistry II 4

CHEM 122L General Chemistry Lab II 1

**Engineering Option Requirements**

MATH 165	Calculus I	4
MATH 166	Calculus II	4
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1

**Choose two lab/lecture combinations, CSCI, or MATH courses from the following (8-10 credits)\***

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
MATH 259	Multivariate Calculus	4
MATH 266	Introduction to Differential Equations	4
MATH 327	Linear Algebra	3
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1

**Total Credit Hours: 31-33****ENVIRONMENTAL SCIENCE****BACHELOR OF SCIENCE DEGREE - ENVIRONMENTAL SCIENCE****Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses – Optional

**Student Learning Outcomes**

A student successfully completing the Environmental Science major will be able to:

1. Integrate knowledge from various scientific disciplines (i.e. biology, chemistry, earth science, physics) to address real world environmental problems. (This learning outcome directly addresses Institutional Learning Outcomes I, VI and VII.)
2. Design a valid scientific experiment and analyze the resulting data. (This learning outcome directly addresses Institutional Learning Outcomes I, II and VI.)
3. Read, interpret, and evaluate information presented in media ranging from public new sources to scientific papers. (This learning outcome directly addresses Institutional Learning Outcomes I, and III.)
4. Accurately communicate scientific ideas in written and oral form. (This learning outcome directly addresses Institutional Learning Outcomes III, VI and VII.)
5. Demonstrate an awareness of major global environment issues and appreciate the interconnectedness of the global system. (This learning outcome directly addresses Institutional Learning Outcomes I, V, VI and VII.)

**REQUIREMENTS****Environmental Science Core Courses**

*In order to graduate, a minimum 2.3 cumulative science is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.*

BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 375	Environmental Economics, Law and Public Policy	3
BIOL 405	Biometry	3
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GIS 380	Applied Arc GIS	3
PHYS 211	College Physics I And	3
PHYS 211L	College Physics I Lab Or	1
PHYS 251	University Physics I And	4
PHYS 251L	University Physics I Lab	1
SCNC 291	Sophomore Science Seminar	1
SCNC 315	Weather and Climate	3
SCNC 389	Scientific Writings and Readings	2
SCNC 390	Science Research I	1
SCNC 410	Current Issues in Environmental Science	2
SCNC 490	Science Research II	1
SCNC 491	Science Seminar	1
SOIL 210	Introduction to Soil Science	4

**Subtotal: 41-42****SELECT EITHER POLICY OR SCIENCE TRACK****Policy Track Requirements**

This program combines science and the humanities to prepare students for careers in communication and policy-making, with a special emphasis on science and the environment. The coursework teaches the content knowledge, the critical thinking skills, and the communication skills needed to start a career as an environmental lobbyist, science writer, government policy maker, and so much more, working for private industry, the government, or a non-profit organization.

AGEC 422	Resource Economics and Environmental Protection	3
BIOL 250	Wildlife Management	3
COMM 308	Argumentation	3
COMM 313	Persuasion	3
ECON 201	Principles Of Microeconomics	3
ECON 202	Principles Of Macro-Economics	3
POLS 115	American Government	3
POLS 315	Public Opinion	3
POLS 380	Energy Politics	3
POLS 432	Public Policy	3

**Subtotal: 30**

**Policy Track Electives**

Take an additional 9 semester hours from the following:

GEOL 320	Hydrogeology	3
GIS 382	Applied GPS	3
GIS 480	GPS/GIS II	3
GEOG 452	Global Issues	3
GEOG 454	Conservation	3
MATH 165	Calculus I	4
MATH 166	Calculus II	4
POLS 240	Political Ideologies	3
POLS 325	Research Methods	3
POLS 330	History of Political Thought	3
RNG 480	Conflict Resolutions in Agriculture	1
SOIL 321	Soil Management and Conservation	3

**Student may also choose one of the following for up to four credits:**

BIOL 499	Special Topics, Readings	1-6
CHEM 499	Special Topics	1-6
GEOL 499	Special Topics, Readings	1-6
POLS 499	Special Topics, Readings	1-6

**Student may also choose one of the following for up to three credits:**

BIOL 497	Biology Internship, Externship, Cooperative Education	1-6
CHEM 497	Chemistry Internship, Externship, Cooperative Education	1-6
GEOL 497	Geology Internship, Externship, Cooperative	1-6
POLS 497	Political Science Internship, Externship, Cooperative Education	1-6

**Subtotal: 80-81**

**Science Track Requirements**

This program prepares students for careers as an environmental scientist. The coursework teaches the science content knowledge, the critical thinking skills, and the research skills needed to start a career as an environmental consultant, atmospheric scientist, water quality scientist, reclamation expert, and so many more, working for private industry, the government, or a non-profit organization. This program also prepares students to attend graduate school in a large variety of scientific fields to gain additional education.

BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1
BIOL 254	Introduction to Botany	4
BIOL 415	Ecology	4
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
CHEM 341	Organic Chemistry I	4
CHEM 341L	Organic Chemistry Lab I	1
GEOL 320	Hydrogeology	3
PHYS 212	College Physics II	3
	And	
PHYS 212L	College Physics II Lab	1
	Or	
PHYS 252	University Physics II	4
	And	
PHYS 252L	University Physics II Lab	1

**Subtotal: 29-30**

**Science Track Electives:**

Take an additional 9 semester hours from the following:

(at least one semester hour must be 300 or 400 level)

AGEC 422	Resource Economics and Environmental Protection	3
BIOL 250	Wildlife Management	3
BIOL 305	General Microbiology	4
BIOL 455	Soil Microbiology	3
CHEM 330	Quantitative Analysis	4
CHEM 335	Analytical Instrumentation	4
CHEM 342	Organic Chemistry II	4
CHEM 342L	Organic Chemistry Lab II	1
CHEM 420	Inorganic Chemistry	3
GEOL 311	Process Geomorphology	4
GEOL 330	Physical Geology of North Dakota	3
GIS 480	GPS/GIS II	3
MATH 165	Calculus I	4
MATH 166	Calculus II	4
RNG 236	Introduction to Range Management	4
RNG 453	Rangeland Resources Watershed Management	3
RNG 456	Range Habitat Management	3
RNG 458	Rangeland Ecology	3
RNG 480	Conflict Resolutions in Agriculture	1
SOIL 321	Soil Management and Conservation	3
SOIL 444	Soil Genesis and Survey	4
SOIL 455	Soil Microbiology	3

**STUDENT MAY ALSO CHOOSE ONE OF THE FOLLOWING FOR UP TO THREE CREDITS:**

BIOL 497	Biology Internship, Externship, Cooperative Education	1-6
CHEM 497	Chemistry Internship, Externship, Cooperative Education	1-6
GEOL 497	Geology Internship, Externship, Cooperative	1-6

**STUDENT MAY ALSO CHOOSE ONE OF THE FOLLOWING FOR UP TO FOUR CREDITS:**

BIOL 499	Special Topics, Readings	1-6
CHEM 499	Special Topics	1-6
GEOL 499	Special Topics, Readings	1-6

**Subtotal: 79-81**

**GEOLOGY****ASSOCIATE IN SCIENCE DEGREE –  
GEOLOGY OPTION**

This program is for students interested in careers such as a geology research associate, quality control inspector, GIS technician, cartography assistant, construction estimator, or construction office manager. It can also be used as a starting point to transfer to a B.S. in Geology program after completion of the A.S. degree.

**Degree Requirements:**

General Education Courses

Major Courses

Geology Option

**Student Learning Outcomes**

A student successfully completing the above major will be able to:

1. Integrate scientific knowledge from biology, chemistry, and physics. (This learning outcome directly addresses Institutional Learning Outcomes II, VI and VII.)
2. Design experiments and analyze data. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI and VII.)
3. Communicate through writing and communicate orally successfully. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
4. Comprehend the scientific method. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)

**REQUIREMENTS****Core Curriculum**

*In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, and COMM 110.*

CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1

**Geology Option Requirements**

GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GEOL 106	The Earth Through Time	3
GEOL 106L	The Earth Through Time Lab	1

**Choose three lab/lecture combinations or MATH courses from the following (12 Credits):**

GEOL 311	Process Geomorphology	4
MATH 165	Calculus I	4
MATH 166	Calculus II	4
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1

**Total Credit Hours: 30****ALLIED HEALTH****ASSOCIATE IN SCIENCE DEGREE –  
ALLIED HEALTH OPTION**

This program prepares students for careers working as an assistant in the health industry. Possible jobs include occupational therapist assistant, physical therapist assistant, clinical laboratory technician, medical records information technician, health care administrator assistant, and office assistant for a medical practice. It can also be used as a starting point from which to move into a nursing program after completion of the A.S. degree.

**Degree Requirements:**

General Education Curriculum

Core Curriculum

Allied Health Electives

**Student Learning Outcomes**

A student successfully completing the above degree will be able to:

1. Integrate scientific knowledge from biology, chemistry, and physics. (This learning outcome directly addresses Institutional Learning Outcomes II, VI and VII.)
2. Design experiments and analyze data. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI and VII.)
3. Communicate through writing and communicate orally successfully. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
4. Comprehend the scientific method. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)

**REQUIREMENTS**

*In order to graduate, a minimum 2.30 cumulative science GPA is required in fulfillment of a natural science degree or minor as well as ENGL 110, ENGL 120, COMM 110, and UNIV 100.*

**CORE CURRICULUM****Introductory Chemistry Elective**

CHEM 115	Introductory Chemistry	3
CHEM 115L	Introductory Chemistry Lab	1
	Or	
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry Lab I	1

**Introductory Biology Elective**

BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
	Or	
BIOL 150	General Biology I	3
BIOL 150L	General Biology I Lab	1



**Anatomy and Physiology**

BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 221	Anatomy and Physiology II and Lab	4

**Microbiology Elective**

BIOL 302	Microbiology	3
BIOL 302L	Microbiology Lab	1
	Or	
BIOL 305	General Microbiology	4

**ALLIED HEALTH ELECTIVES****Choose Three Courses from the following List (9 Credits)**

BIOL 357	Pathophysiology	3
BOTE 171	Medical Terminology I	3
BOTE 275	Administrative Office Procedures	3
HPER 240	Principles of Human Nutrition	3
HPER 365	Principles of Corrective Exercise	3
PSYC 250	Developmental Psychology	3

**Total Credit Hours: 29-30****CERTIFICATES****ALLIED HEALTH CERTIFICATE**

This program starts students on the road to a variety of careers in the health industries. It is a good starting point for students who wish to complete one year of course work and then transfer to a program such as dental hygiene, radiation therapy, occupational therapy, or mortuary science. It can also be used as a starting point from which to move into the A.S. in Allied Health program.

**REQUIREMENTS****Courses**

BIOL 111	Concepts of Biology	3
BIOL 220	Anatomy and Physiology I and Lab	4
CHEM 115	Introductory Chemistry	3
CHEM 115L	Introductory Chemistry Lab	1
COMM 110	Fundamentals Of Public Speaking	3
COMM 216	Intercultural Communication	3
CSCI 101	Introduction To Computers	3
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
PSYC 111	Introduction to Psychology	3

**Subtotal: 29****Nutrition Elective**

NURS 240	Fundamentals of Nutrition	2
	OR	
HPER 240	Principles of Human Nutrition	3

**Subtotal: 2-3****Total Credit Hours: 31-32****PHYSICAL SCIENCE CERTIFICATE**

This program is a one-semester program that provides a solid foundation in the physical sciences for professional in other fields who wish to increase their science knowledge.

**REQUIREMENTS****Courses:**

CHEM 115	Introductory Chemistry	3
CHEM 115L	Introductory Chemistry Lab	1
GEOL 105	Physical Geology	3
GEOL 105L	Physical Geology Lab	1
GIS 380	Applied Arc GIS	3

**Complete one of the following:**

MATH 103	College Algebra	4
	Or	
PHYS 211	College Physics I	3
	And	
PHYS 211L	College Physics I Lab	1

**Total Credit Hours: 15**

This certificate program will only be offered during Fall semesters, as that is when all the required courses are taught.

## DEPARTMENT OF NURSING

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### *College of Education, Business and Applied Sciences*

#### Faculty

Full-time Faculty: L. Meyer - Chair, E. Berger, P. Biesiot, T. Bren, C. Lantz, L. Silbernagel, J. Skretteberg

The following information is subject to annual change. Please contact the Department of Nursing with any questions.

#### Mission

In harmony with the university mission, "...to provide service relevant to the ...health, and quality of life for the citizens of the State of North Dakota" our primary role is to foster and facilitate the development of competent healthcare practitioners who are prepared to serve in a continually evolving health care environment.

#### Participation in Writing Across the Curriculum and Writing in the Disciplines

By completing the designated courses for the BSN Degree, the student will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum (p. 29) section of the catalog for the designated courses used to meet writing requirements for your program plan. Course descriptions will also identify courses that are part of the writing program.

Associate in Applied Science in Practical Nursing Program (AASPN)

Semester credit hours: 66  
Enrollment limited to 50 students

Bachelor of Science in Nursing Completion Program (BSN)

Semester credit hours: 126  
Enrollment limited to 32 students

#### ACCREDITATION COMMISSION FOR EDUCATION IN NURSING (ACEN)

The AASPN and BSN programs are fully accredited by ACEN. Their address is: 3390 Peachtree Road NE, Suite 1400, Atlanta, Georgia, 30326. Their phone number is: 1-404-975-5000. Their website is [www.acenursing.org](http://www.acenursing.org)

#### NORTH DAKOTA BOARD OF NURSING

The AASPN and BSN programs are approved by the North Dakota Board of Nursing. The Board's address is: 919 South 7th St., Suite 504, Bismarck, ND 58504-5881. The Board's phone number is: 701-328-9777, and their website is [www.ndbon.org](http://www.ndbon.org)

## ADMISSION, PROGRESSION, AND GRADUATION REQUIREMENTS

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Students wishing to apply for admission to the nursing programs must complete a formal application to **BOTH** Dickinson State University and the Department of Nursing. **Admission to Dickinson State University does not automatically ensure admission to the nursing program(s).** For further information, contact the Department of Nursing or access the nursing application form(s) on the DSU website.

Admission requirements for the nursing programs are listed on the following pages. Progression and graduation criteria are found in the Department of Nursing Policy Handbook and prospective nursing students can refer to the Department website copy or request a copy. **Admission, progression, and graduation criteria are subject to annual revision.**

Students planning to re-enter a nursing program must meet the Admission and Progression program requirements that are in effect at the time classes start following official readmission into the nursing program. Readmission to the nursing program cannot be guaranteed.

#### CATALOG YEARS OF LIMITATIONS

1. A student who has an academic "break" (has not completed a course at Dickinson State University) of two consecutive years or more, excluding summer sessions, must change to the University catalog which is in effect at the time the student resumed his/her studies.
2. A student may not complete a degree from an academic catalog that was put into effect more than six calendar years prior to their graduation date.

**Criminal Background Check (CBC):** All nursing students admitted or readmitted to a nursing program are required to complete an annual CBC via the Department of Nursing. Participation in the CBC is necessary to obtain clearance for students prior to participation in clinical. Please contact the Department of Nursing with any questions.

**Drug Screening:** All nursing students admitted or readmitted to a nursing program are required to complete Drug Screening via the Department of Nursing. Participation is necessary to obtain clearance for students prior to participating in clinical. Please contact the Department of Nursing with any questions.

**Health Information and Immunizations:** All nursing students admitted or readmitted to a nursing program **MUST** provide documented proof of all required health information, health insurance coverage and immunizations prior to the start of the semester.

**Required Functional Abilities:** All nursing students admitted or readmitted to a nursing program are required to complete annual required functional abilities assessments. The nursing profession requires specific physical/motor, sensory, cognitive, behavioral/emotional, and communication functional abilities of its practitioners and these same functional abilities are required of students throughout the nursing education programs.

Please contact the Department of Nursing with any questions. When deemed necessary, students will be required to have a physical and/or mental examination(s) from appropriate health care provider(s) to identify accommodations and/or prove sufficient capacity in each area prior to continuing in the program.

## ASSOCIATE IN APPLIED SCIENCE IN PRACTICAL NURSING PROGRAM ADMISSION REQUIREMENTS

**Students not holding nurse licensure seeking admission to the first year of the AASPN Program must submit:**

1. Official transcripts of high school coursework (partial or complete), GED (if appropriate), and all colleges/universities attended (if appropriate). These official records must show evidence of the following:
  - a. Minimum 2.25 cumulative high school or college/university GPA or GED minimum average standard score of 145 or 450.
    - i. College cumulative GPA, after a minimum of one semester and with a minimum of 12 credit hours attempted or completed, supersedes the High School GPA or GED Scores for Admission.
    - ii. High school students who completed early entry courses will be admitted and selected based on their high school cumulative GPA (inclusive of dual credit courses). College GPAs earned solely through early entry (while in high school) will not be used to consider an applicant for Admission.
  - b. Minimum grade of "C" (2.00) in high school or college/university algebra (submit evidence of course in process) or GED math standard score of 145 or 410.
  - c. Minimum grade of "C" (2.00) in high school or college/university chemistry (submit evidence of course in process) or GED science standard score of 145 or 410.
2. A completed North Dakota University System application to Dickinson State University (available online).
3. A completed AASPN Program application to the Department of Nursing (available online or print and send to the Department of Nursing). **Application deadline is February 1.** Letters of acceptance/denial are sent by the Department of Nursing no sooner than the middle of March.

- It is the student's responsibility to keep current contact information on file in the Department of Nursing; incorrect information may result in delay or exclusion of admission to the program.
- Provisional acceptance to the AASPN Program may be granted to students who are in the process of meeting admission requirements. To begin the nursing education program, all admission requirements must continue to be met up to the time the student begins the program.
- All students who have previously attended any other college/university must request a transcript audit from the Registrar, contact the Department of Nursing Chair and secure appropriate course substitution forms.
- Students who have previously taken nursing courses at any other college/university must submit copies of nursing course syllabi to the Department for consideration of course substitution.
- Applications received after the deadline will be considered on a space available basis.

### Additional Admission Requirements for Permanent Residents and International Applicants

(International Students are non-U.S. citizens, nor permanent residents of the United States)

An applicant whose native language is not English\* (as identified in the Central Intelligence Agency (CIA) Fact Book at [www.cia.gov](http://www.cia.gov)) is required to demonstrate proficiency in the English Language. The TOEFL (Test of English as a Foreign Language), International English Language Testing System (IELTS), or the Duolingo English Test exams are considered the official DSU English Language Proficiency exams. The applicant's results of the specified test determine a student's eligibility for AASPN or BSN Program admission consideration.

Students who have completed ENGL 110, or who transfer to DSU from a regionally accredited college/university and have previously completed ENGL 110 (or equivalent course) and obtained a grade  $\geq$  'C' will be considered for admission. These transfer students will not be required to take the TOEFL, IELTS, or Duolingo exams. International students applying for admission to the nursing program must complete the TOEFL, IELTS, or Duolingo exam if they have not already done so.

Minimum TOEFL scores of 22 are required for all students in the respective content areas of Listening, Reading, Speaking and Writing. Minimum IELTS scores of 6 in the respective content areas of Listening, Reading, Speaking and Writing, with an overall score of 6.5 are required for eligibility. Minimum Duolingo scores of 90 in respective content areas of Literacy (Reading), Comprehension (Listening), Conversation (Speaking), and Production (Writing), with an overall score of 115 are required for eligibility. These scores are required due to the higher degree of rigor within the nursing education majors, as well as the need for English language proficiency required of students to function effectively as a member of the healthcare team within multiple clinical settings.

Students who are unable to achieve the minimum required TOEFL, IELTS, or Duolingo scores **MUST** meet the following for admission consideration:

1. Attain a WritePlacer minimum score of 5; or
2. Complete ASC 088 (if WritePlacer score is below 5) with ENGL110 Composition I; and receive course grades of  $\geq$  'C'.

Once the exam scores are submitted, students **will not** be allowed to re-take the test for Nursing Program admission consideration.

All international students must:

1. Be admitted to Dickinson State University; and
2. Complete an AASP or BSN Program application.

International students who are admitted to the AASP program are not required to repeat any of the exams for admission to the BSN program.

Students who meet the required TOEFL, IELTS, or Duolingo scores or attain a minimum grade of a "C" in ASC 088 and ENGL110, or have previously completed ENGL110 (or an equivalent course) with a "C" or better will continue to be screened by the APG Committee with all other applicants, and must also meet the other established admission criteria.

#### Social Security Number Needed

Prior to graduation, all permanent residents and international students must obtain a U. S. Social Security number to be eligible to take the respective nurse licensure exam.

**Vocational/certificate LPNs seeking admission to the second year of the AASP Program must meet the admission and selection criteria for the AASP Program as noted. They must also have:**

1. Graduated from a state-approved PN program.
2. A minimum grade of "C" (2.00) in required first year courses of BIOL 111A - Concepts of Biology, CHEM 115, CHEM 115L – Introductory Chemistry and Lab, BIOL 220 - Anatomy and Physiology I, PSYC 111 – Introduction to Psychology, PSYC 250 – Developmental Psychology, or equivalent courses.

*Vocational LPN graduates may be admitted to the AASP Program without meeting all prerequisites as stated above provided the individual graduated from an approved nursing education program.*

*However, they must provide evidence of satisfactory attainment of all required courses in the major prior to graduation from the AASP Program.*

3. Received academic credit for nursing courses from a regionally accredited institution. (Nursing credits transferred or awarded will be recorded on the DSU transcript but will not apply toward degree completion until the student has successfully completed nursing courses [NURS prefix] equivalent to approximately one semester of full-time nursing coursework).

**OR**

Successfully completed NLN's PN FUNDAMENTALS Exam to receive academic credit for NURS 121/NURS 198A - Basic Nursing Concepts I/Clinical I, NURS 131/NURS 198B – Basic Nursing Concepts II/Clinical II, and NURS 240 – Fundamentals of Nutrition, if necessary.

4. Submitted verifiable evidence of unencumbered nurse licensure (or evidence of pending license). This includes state where licensed and licensure type for verification on NURSYS.
  - Provisional acceptance to the second year of the AASP program may be granted to students who are in the process of meeting admission criterion #4. For full acceptance, the student must provide verifiable evidence of unencumbered licensure. To begin the second year, all admission requirements must continue to be met.
  - Graduates of vocational PN programs who fail the NCLEX-PN exam may continue to apply for admission to the second year of the AASP program pending space availability. Upon graduating with the AASP degree, the graduate is also eligible to take the NCLEX-PN exam, if they have not yet passed.

#### **BACHELOR OF SCIENCE IN NURSING COMPLETION PROGRAM ADMISSION REQUIREMENTS**

ASP-LPNs, AASP-LPNs, ASN-RNs, or ADN-RNs seeking admission to the BSN Program must submit:

1. Verifiable evidence of unencumbered nurse licensure (or evidence of pending license). This includes state where licensed and licensure type for verification on NURSYS.
2. Official transcripts of previous vocational/college/university education to the Department of Nursing. These official records must show evidence of the following:
  - a. Minimum 2.50 cumulative college/university GPA.
  - b. Minimum 2.50 cumulative nursing GPA.
  - c. Minimum grade of "C" (2.00) in all prerequisite courses (or equivalent) of BIOL 111A - Concepts of Biology, CHEM 115, CHEM 115L – Introductory Chemistry and Lab, BIOL 220 - Anatomy and Physiology I, PSYC 111 – Introduction to Psychology, BIOL 221 – Anatomy and Physiology II, PSYC 250 – Developmental Psychology, ENGL 110 – College Composition I, ENGL 120 – College Composition II, SOC 110 – Introduction to Sociology or SOC 115 – Social Problems, BIOL 302, BIOL 302L – Survey of Microbiology and Lab.

*ASP/N/AASPN-LPN, ASN- RN, ADN-RN and diploma RN graduates may be admitted to the BSN Completion Program without meeting all prerequisites as stated above provided the individual graduated from an approved nursing education program. However, they must provide evidence of satisfactory attainment of all requisite courses in the major prior to graduation from the BSN Completion Program.*

3. A completed North Dakota University System application to Dickinson State University (available online).
4. A completed BSN Program application to the Department of Nursing (available online or print and send it to the Department of Nursing). **Application deadline is February 1.** Letters of acceptance/denial are sent by the Department of Nursing no sooner than the middle of March.
  - It is the student's responsibility to keep current contact information on file in the Department of Nursing; incorrect information may result in delay or exclusion of admission to the program.
  - Provisional acceptance to the BSN Program may be granted to students who are in the process of meeting admission requirements. To begin the nursing education program all admission requirements must continue to be met.
  - All students who have previously attended any other college/university must request a transcript audit from the Registrar, contact the Department of Nursing Chair and secure appropriate course substitution forms.
  - Students who have previously taken nursing courses at any other college/university must submit copies of nursing course syllabi to the Department of Nursing for consideration of course substitution.
  - Enrollment is limited to 32.
  - Applications received after the deadline will be considered on a space available basis.

**ASP/N/AASPN LPNs, ASN-RNs, or ADN-RNs seeking an ALTERNATE ADMISSION OPTION to the BSN Program (Nurses with  $\geq 2.25$  and  $< 2.50$  cumulative nursing GPA) must have:**

1. Verifiable evidence of unencumbered nurse licensure. This includes state where licensed and licensure type for verification on NURSYS.
2. A minimum **six month** interval between licensure as a nurse and completion of the NLN NACE I PN-RN Exams (Foundations of Nursing, Nursing Care of Childbearing Family, and Nursing Care of Child). Prospective students are encouraged to work as a licensed nurse prior to completing the exams.
3. Successfully passed the NLN NACE I PN-RN Exams. A minimum score of 70% (total decision score) is required on the Foundations of Nursing exam the minimum combined average score on the Nursing Care of the Childbearing Family and Nursing Care of Child exams must be 62% or greater.

- The exams must be completed by August 1.
  - Costs associated with the exams are incurred by the prospective student and must be paid prior to the exams being ordered and proctored. A proctoring fee is required for students not enrolled at DSU.
  - The exam(s) may be repeated only **once**.
4. Submitted official transcripts of previous vocational/college/university education to the Department of Nursing. These official records must show evidence of the following:
    - a. Minimum 2.50 cumulative college/university GPA.
    - b. Minimum 2.25 cumulative nursing GPA.
    - c. Minimum grade of "C" (2.00) in all prerequisite courses (or equivalent) of BIOL 111A - Concepts of Biology, CHEM 115, CHEM 115L – Introductory Chemistry and Lab, BIOL 220 - Anatomy and Physiology I, PSYC 111 – Introduction to Psychology, BIOL 221 – Anatomy and Physiology II, PSYC 250 – Developmental Psychology, ENGL 110 – College Composition I, ENGL 120 – College Composition II, SOC 110 – Introduction to Sociology or SOC 115 – Social Problems, BIOL 302, BIOL 302L – Survey of Microbiology and Lab.

*ASP/N/AASPN-LPN, ASN- RN, ADN-RN and diploma RN graduates may be admitted to the BSN Completion Program without meeting all prerequisites as stated above provided the individual graduated from an approved nursing education program. However, they must provide evidence of satisfactory attainment of all courses in the major prior to graduation from the BSN Completion Program.*

5. Submitted a completed North Dakota University System application to Dickinson State University (available online).
6. Submitted a completed BSN Program Alternate Admission application to the Department of Nursing. **Application deadline is February 1.** Letters of acceptance/denial are sent by the Department of Nursing no sooner than the middle of March. It is the student's responsibility to keep current contact information on file in the Department of Nursing; incorrect information may result in delay or exclusion of admission to the program. To begin the nursing education program all admission requirements must continue to be met.
  - All students who have previously attended any other college/university must request a transcript audit from the Registrar, contact the Department of Nursing Chair and secure appropriate course substitution forms.
  - Students who have previously taken nursing courses at any other college/university must submit copies of nursing course syllabi to the Department of Nursing for consideration of course substitution.

- Provisional acceptance to the BSN Program may be granted to students who are in the process of meeting admission requirements. To begin the nursing education program, all admission requirements must continue to be met.
- Enrollment is limited to 32.
- Applications received after the deadline will be considered on a space available basis.

## **ASSOCIATE IN APPLIED SCIENCE DEGREE - PRACTICAL NURSING**

The DSU Department of Nursing prepares students in the AASPN program, to become Licensed Practical Nurses, who are prepared to take the national licensing exam for Practical Nurses.

Graduates will attain education necessary to make a significant impact upon the state of North Dakota and the surrounding region, improving both the health and quality of life of its citizens. The program's mission is to foster students' development to become knowledgeable healthcare professionals who are prepared to serve in a continually evolving healthcare environment.

### **END OF PROGRAM STUDENT LEARNING OUTCOMES (EPSLOs)**

Upon completion of the program, the graduate will achieve:

1. **Professionalism:** Demonstrate professional behaviors of accountability and professionalism according to the legal and ethical standards for a competent licensed practical nurse.
2. **Communication:** Effectively communicate with patients, significant support person(s), and members of the interdisciplinary health care team incorporating interpersonal and therapeutic communication skills.
3. **Assessment:** Collect holistic objective and subjective assessment data from multiple sources.
4. **Planning:** Collaborate with the registered nurse or other members of the health care team to organize and incorporate assessment data to plan/revise patient care and actions based on established nursing diagnoses, nursing protocols, and assessment and evaluation data.
5. **Caring Interventions:** Demonstrate a caring and empathic approach to applying safe, therapeutic, and individualized care of each client.
6. **Managing:** Manages care through the processes of planning, organizing and directing.

### **Degree Requirements: AASPN Major Courses**

The AASPN Curriculum requires specific general education course requirements. The category of the General Education requirement is indicated below. Students are advised to consult with their advisor to ensure proper course selection for this major.

Students must earn a grade of "C" or higher in each of the following General Education, Interdisciplinary and Nursing courses listed below:

### **General Education Requirements**

CHEM 115L	Introductory Chemistry Lab Group III-E	1
ENGL 110	College Composition I Group I-A	3
ENGL 120	College Composition II Group I-B	3
NURS 240	Fundamentals of Nutrition Group II-D	2
PSYC 111	Introduction to Psychology Group II-C	3
	Select one course from the following:	
SOC 110	Introduction to Sociology OR	3
SOC 115	Social Problems Group II-C	3

**Subtotal: 18**

### **Interdisciplinary Course Requirements**

BIOL 111A	Concepts of Biology Lecture	3
BIOL 220	Anatomy and Physiology I and Lab	4
BIOL 221	Anatomy and Physiology II and Lab	4
BIOL 302	Microbiology	3
BIOL 302L	Microbiology Lab	1
PSYC 250	Developmental Psychology	3

**Subtotal: 18**

### **Nursing Course Requirements**

NURS 121	Basic Nursing Concepts I	5
NURS 198A	Basic Nursing Concepts Clinical I	1
NURS 131	Basic Nursing Concepts II	5
NURS 198B	Basic Nursing Concepts Clinical II	1
NURS 231	Psychiatric/Mental Health Nursing	2
NURS 241	Intermediate Nursing Concepts I	4
NURS 298B	Intermediate Nursing Concepts Clinical I	3
NURS 215	Introduction to Pharmacology	2
NURS 251	Intermediate Nursing Concepts II	4
NURS 298C	Intermediate Nursing Concepts Clinical II	3

**Subtotal: 30**

NURS 215: Students not enrolled in the nursing program may take NURS 215 provided they have permission of the faculty teaching the course.

**Total Credit Hours: 66**

A minimum nursing GPA of 2.25 is required to progress from the first year to the second year.

A cumulative and nursing GPA of 2.25 or higher are required for graduation with the AASPN degree.

## BACHELOR OF SCIENCE IN NURSING DEGREE

The DSU Department of Nursing prepares students in the BSN program, to become Registered Nurses, who are prepared to take the national licensing exam for Registered Nurses.

Graduates will attain education necessary to make a significant impact upon the state of North Dakota and the surrounding region, improving both the health and quality of life of its citizens. The program's mission is to foster students' development to become knowledgeable healthcare professionals who are prepared to serve in a continually evolving healthcare environment.

### END OF PROGRAM STUDENT LEARNING OUTCOMES

Upon completion of the program, the graduate will achieve:

- Nursing Process:** Develop an individualized plan of care by effectively utilizing the nursing process. Implement the nursing process
- Patient Centered Care:** Recognize the patient and/or family as the source of control and partner when implementing the nursing process with respect for patient's and family's preferences, values, and needs.
- Teamwork and Collaboration:** Function effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve quality patient care and minimize risk.
- Evidence Based Practice:** Integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.
- Quality Improvement:** Collect data to monitor the outcomes of care processes to continuously improve the quality and safety of health care systems.
- Safety:** Arrange care to minimize the risk of harm to patients and providers through both system effectiveness and individual performance.
- Informatics:** Integrate information and technology to communicate, manage knowledge, mitigate error, and support decision making.

### Degree Requirements: BSN Major Courses

The BSN Curriculum includes and builds upon the General Education, Interdisciplinary and Nursing course requirements in the AASPN Program. The category of the General Education requirement is indicated below. Students are advised to consult with their advisor to ensure proper course selection for this major.

Students must earn a grade of "C" or higher in each of the following General Education, Interdisciplinary and Nursing courses listed below:

### General Education Requirements

COMM 110	Fundamentals Of Public Speaking Group I-C	3
CSCI 101	Introduction To Computers Group II-A	3
	Elective (II-B)	3
	Elective (III-A)	3
	Elective (III-B)	3
	Elective (III-D)	3
MATH 103	College Algebra Group III-C	4
	May substitute MATH 107 - Pre-calculus; MATH 165 - Calculus I; or MATH 305 - Probability and Statistics for MATH 103 - College Algebra.	

**Subtotal: 22**

### Interdisciplinary Course Requirements

BIOL 357	Pathophysiology	3
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**Subtotal: 3**

### Nursing Course Requirements

NURS 316	Advanced Concepts I Adult Health	4
NURS 321	Health Assessment	2
NURS 398A	Health Assessment Clinical	1
NURS 328	Nursing Role Transition	2
NURS 330	Nursing Research	2
NURS 331	Community Health I	2
NURS 398B	Clinical Concepts I	3
NURS 415	Advanced Concepts II Child Health	2
NURS 416	Advanced Concepts III Special Populations	2
NURS 498A	Clinical Concepts II	3
NURS 425	Nursing Leadership & Management	3
NURS 431	Community Health II	3
NURS 435	Synthesis	2
NURS 498B	Clinical Concepts III	4

**Subtotal: 35**

NURS 321, NURS 398A: Students not enrolled in the nursing programs may take these courses provided they have the permission of the faculty teaching the course.

AASPN PROGRAM CURRICULUM REQUIREMENTS: 66

BSN PROGRAM CURRICULUM REQUIREMENTS: 60

TOTAL BSN CREDIT HOURS: 126

A minimum nursing GPA of 2.50 is required to progress from the third to the fourth year,

A cumulative and nursing GPA OF 2.50 or higher are required for graduation with the BSN degree.

## DEPARTMENT OF SOCIAL SCIENCES

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### **College of Arts and Sciences**

#### **Faculty**

Full-time Faculty: S. Doherty - Chair, K. Hale, L. Karie, D. Meier, W. Wilson

#### **Mission**

The team of faculty and staff in the Social Sciences Department at Dickinson State University is a group of professionals trained to help students understand and appreciate many facets of the Social Sciences. Through retention of the body of knowledge imparted by the faculty in the social sciences at Dickinson State University, students will become familiar with the tools used to formulate economic and government policies. The heritage of world civilizations and the United States, the structure of government and political discourse, and other commonly encountered knowledge in the Social Sciences will guide students to analyze and evaluate possible solutions to problems. By familiarizing themselves with the materials and methodologies learned in the Social Sciences, students will gain a body of knowledge and the analytical and critical thinking tools necessary for successful careers in education, government, and the private sector. We will prepare students for graduate school and further professional development, and encourage them to actively participate in the social and political affairs of the United States and the world community; articulate social issues in a creative and informed manner, and to develop a lifelong interest in the social sciences.

#### **Participation in Writing Across the Curriculum and Writing in the Disciplines**

By completing the designated courses for Department of Social Science degree programs, students will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum (p. 29) section of the catalog for the designated courses used to meet writing requirements for your program plan. Course descriptions will also identify courses that are part of the writing program.

#### **Objectives**

A course of study in the Social Sciences at Dickinson State University will help each student to know and appreciate the heritage of world civilizations and the United States. Students will critically analyze and evaluate possible solutions to problems; learn the materials and methodologies necessary for successful teaching, graduate study and professional development; prepare for a wide variety of careers in both the private and public sectors of the economy; actively participate in the social and political affairs of the United States and the world community; develop a lifelong interest in the social sciences; and communicate about social issues in a creative and informed manner.

Bachelor of Science in Education degrees require General Education, a major, a minor, Professional Education, and electives to equal a minimum of 120 semester hours.

The Bachelor of Science in Education degree in history requires a minor and twelve semester hours of study in one other social science areas (economics, geography, or political science).

The Bachelor of Science in Education composite major in Social Science and the Bachelor of Arts composite major in Social Science do not require a minor.

Bachelor of Arts degrees require General Education, a major, a minor, a foreign language, and electives to equal a minimum of 120 semester hours.

Bachelor of Science degree in Psychology requires General Education, a major, and a minor to equal a minimum of 120 semester hours.

### **SOCIAL SCIENCES**

#### **BACHELOR OF SCIENCE IN EDUCATION DEGREE - COMPOSITE SOCIAL SCIENCE EDUCATION**

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Will provide the content base for the teaching of a diverse number of social science disciplines.

#### **Degree Requirements:**

General Education Courses  
Major Courses  
Secondary Professional Education Sequence

*Degree available in Bismarck and DSUlive*

#### **Student Learning Outcomes**

Composite social science education graduates will:

1. Analyze, interpret, and use data and information in learning and in research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Use technology as both a learning and as a professional application tool (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
3. Communicate ideas clearly through visual, verbal, and written forms using graphs, models, and the vocabulary specific to the Social Sciences (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
4. Demonstrate an ability to build upon and apply Social Science intellectual knowledge (and skills) in a variety of settings and environments (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)



5. Develop a critical awareness of the integral relationship of humankind through a global Social Science perspective (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)
6. Learn to interpret the social and spatial dimensions of disease, the economic relationships between health and wealth, and the political, cultural, ecological, and historical ramifications of the interactions of human and biological agents concerning health and wellness (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

## REQUIREMENTS

Students must earn a grade of "C" or higher in all required courses for this program.

### Composite Social Science Education Courses Secondary Education

Students must complete the following History courses:

HIST 103	United States To 1877	3
HIST 104	United States Since 1877	3
HIST 211	World Civilizations To 1500	3
HIST 212	World Civilizations Since 1500	3
HIST 310	History Of North Dakota	3
	History Electives (300-400)	6

Students must select two areas of study from the following (24 credits):

#### Economics:

ECON 106	Global Economics	3
ECON 201	Principles Of Microeconomics	3
ECON 202	Principles Of Macro-Economics	3
	Economics Electives	3

#### Geography:

GEOG 121	Physical Geography	3
GEOG 161	World Regional Geography	3
GEOG 262	Geography of North America	3
	Geography Electives (300-400)	3

#### Political Science:

POLS 115	American Government	3
POLS 330	History of Political Thought	3
	Political Science Electives (300-400)	6

Students must complete the following two areas of study (24 credits):

#### Psychology:

EDUC 280	Education of Exceptional Learners	3
PSYC 111	Introduction to Psychology	3
PSYC 353	Adolescent Psychology	3
	Psychology Electives (300-400)	3

#### Sociology:

SOC 110	Introduction to Sociology	3
SOC 115	Social Problems	3
	Sociology Electives (300-400)	6

Students must complete the following:

SEED 490D	Methods of Teaching Social Science	3
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**Subtotal: 72**

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

### Pre-Professional Courses

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field Experience II	1

### Professional Courses in Disciplinary Methods Block (must be taken concurrently):

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

### Disciplinary Courses

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

### Additional Professional Courses:

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498 Teaching in the Secondary School 13

**Subtotal: 41**

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305 Philosophy and Curriculum of Middle School 2

EDUC 310 Methods of Teaching in Middle School 2

EDUC 350 Portfolio Preparation 1

SEED 370 Reading in the Content Areas 3

**Subtotal: 41-49**

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 113-121****BACHELOR OF ARTS DEGREE - COMPOSITE SOCIAL SCIENCE**

A Social Sciences degree incorporates classes from a variety of disciplines in the humanities and behavioral sciences allowing those from this program to pursue careers in teaching, research and social service.

**Degree Requirements:**

General Education Courses

Major Courses

Minor Courses

Foreign Language Requirement

Electives

***Degree available in Bismarck and DSUlive***

Students completing the Bachelor of Arts Degree with a major in Composite Social Science must select and complete the Composite Social Science Major or the Composite Social Science Criminal Justice Track.

**Student Learning Outcomes**

Composite social science graduates will:

1. **Social Science Knowledge:** Students will exhibit a descriptive knowledge of key theories, institutions, and processes related to the study of the social sciences. This learning outcome directly addresses Institutional Learning Outcomes I and VI.
2. **Critical Thinking/Analysis:** Students will display knowledge of key historical, political, economic, and social issues using multiple perspectives. This learning outcome directly addresses Institutional Learning Outcomes II and VII.
3. **Understand and employ a wide range of qualitative and quantitative methods for recording and explaining human experience.** This learning outcome directly addresses Institutional Learning Outcomes II, V, and VI.

4. **Understand and articulate how culture, society, and diversity shape the role of the individual within society and human relations across cultures.** This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VII.

5. **Assess the sociocultural contexts that influence individual and collective behavior.** This learning outcome directly addresses Institutional Learning Outcomes IV, V, VI, and VII.

**REQUIREMENTS****Composite Social Science Major Courses**

ECON 201	Principles Of Microeconomics	3
ECON 202	Principles Of Macro-Economics	3
HIST 103	United States To 1877	3
HIST 104	United States Since 1877	3
HIST 211	World Civilizations To 1500	3
HIST 212	World Civilizations Since 1500	3
HIST 385	Modern America	3
	European and World History Electives (300-400)	3
GEOG 121	Physical Geography	3
GEOG 161	World Regional Geography	3
	Or	
GEOG 262	Geography of North America	3
	Geography Electives (300-400)	3
POLS 115	American Government	3
	Political Science Electives (300-400)	6
SOC 110	Introduction to Sociology	3
	Sociology Electives (300-400)	6
	Social Science Electives (300-400)	6

**Select one course from the following (3 credits):**

HIST 491	History Seminar	1-6
SOC 491	Seminar In Sociology	1-6
POLS 491	Political Science Seminar	1-6

**Total Credit Hours: 60****BACHELOR OF SCIENCE DEGREE - CRIMINAL JUSTICE**

A criminal justice major gives students an understanding of the three main elements of the justice system: the courts, policing and corrections. The study of Criminal Justice and Corrections involves research methods for Criminology, Criminological theory and the psychology behind criminal behavior. This program provides training for such occupation as Police officer, State Patrol, Corrections Officer, Security Guard and Parole and Rehabilitation administrator.

**Degree Requirements:**

General Education Courses

Major Courses

Electives

***Degree available DSUlive***

**Student Learning Outcomes**

Criminal Justice graduates will:

1. Analyze, interpret, and use data and information in learning and in research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Use technology as both a learning and as a professional application tool. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
3. Communicate ideas clearly through visual, verbal, and written forms using graphs, models, and the vocabulary specific to the Social Sciences. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
4. Demonstrate an ability to build upon and apply Social Science intellectual knowledge (and skills) in a variety of settings and environments. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

**REQUIREMENTS****General Education Course Requirements**

Required as part of general education:

PSYC 111	Introduction to Psychology	3
POLS 115	American Government	3

**Core Courses**

CJ 201	The Criminal Justice System	3
CJ 253	Juvenile Delinquency	3
CJ 320	Deviant Behavior	3
CJ 325	Research Methods	3
CJ 351	Introductions to Corrections	3
CJ 361	Victims and Victimology	3
CJ 365	Ethics in Criminal Justice	3
CJ 385	Criminology	3
CJ 386	Policing in America	3
ENGL 300	Professional and Technical Writing	3
POLS 315	Public Opinion	3
POLS 347	The Judicial System	3
POLS 365	United States Supreme Court and the Constitution	3
PSYC 370	Abnormal Psychology	3
SOC 110	Introduction to Sociology	3
	OR	
SOC 115	Social Problems	3

**Subtotal: 45****Electives**

Select 24 credits from the following electives:

CJ 310	Sex and Drugs in Society	3
CJ 326	Criminal Investigation	3
POLS 216	State and Local Government	3
POLS 432	Public Policy	3
PSYC 360	Forensic Psychology and Criminal Profiling	3
SWK 381	Cultural Diversity	3
SWK 330	Human Behavior and the Social Environment	3
SWK 250	Interpersonal Skills	3

SWK 256	Development of Social Welfare	3
		<b>Subtotal: 24</b>

**Internship**

Complete six credits in junior year and six credits in senior year

CJ 497	Criminal Justice Internship	1-6
		<b>Subtotal: 12</b>

**Total Credit Hours: 81****ASSOCIATE IN SCIENCE DEGREE -  
CRIMINAL JUSTICE OPTION**

A criminal justice major gives students an understanding of the three main elements of the justice system: the courts, policing and corrections. The study of Criminal Justice and Corrections involves research methods for Criminology, Criminological theory and the psychology behind criminal behavior. This program provides training for such occupation as Police officer, State Patrol, Corrections Officer, Security Guard and Parole and Rehabilitation administrator.

**Degree Requirements:**

General Education Courses  
Major Courses  
Electives

**Degree available DSUIive****Student Learning Outcomes**

Criminal Justice graduates will:

1. Analyze, interpret, and use data and information in learning and in research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Use technology as both a learning and as a professional application tool. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
3. Communicate ideas clearly through visual, verbal, and written forms using graphs, models, and the vocabulary specific to the Social Sciences. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
4. Demonstrate an ability to build upon and apply Social Science intellectual knowledge (and skills) in a variety of settings and environments. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

**REQUIREMENTS****General Education Course Requirements**

Group I (A)	ENGL 110 or ENGL 111H*	3
Group I (B)	ENGL 120 or ENGL 121H*	3
Group I (C)	COMM 110 or COMM 111H*	3

Group II (A)	CSCI 101	3
Group II (B)	COMM 216 (Recommended)	3
Group II (C)	SOC 110 or SOC 115 (Recommended)	3
Group II (D)	Well-Being	2
Group III (A)	Creative Expressions	3
Group III (B)	Literature	3
Group III (C)	MATH 103 (Recommended)	4
Group III (D)	Social Science	3
Group III (E)	Natural Science	4
General Education Elective	POLS 115 (Recommended)	3
		<b>Subtotal: 40</b>

**Core Courses**

PSYC 111	Introduction to Psychology	3
POLS 115	American Government	3
CJ 201	The Criminal Justice System	3
CJ 253	Juvenile Delinquency	3
CJ 351	Introductions to Corrections	3
POLS 365	United States Supreme Court and the Constitution	3
CJ 297	Internship Six Credits Required	1-6

**Subtotal: 21**

POLS 115 meets general education requirement Group II - List C

**Total Credit Hours: 61**

## **SOCIAL SCIENCE MINOR - ELEMENTARY EDUCATION OR NON- TEACHING**

Will provide the content base for the teaching of history and the study of a diverse number of social science disciplines.

### **REQUIREMENTS**

**Courses**

GEOG 121	Physical Geography	3
HIST 103	United States To 1877	3
HIST 211	World Civilizations To 1500	3
POLS 115	American Government	3
SOC 110	Introduction to Sociology	3

**Social Science Electives from the following (9 credits):**

GEOG 161	World Regional Geography	3
GEOG 262	Geography of North America	3
HIST 104	United States Since 1877	3
HIST 212	World Civilizations Since 1500	3
SOC 115	Social Problems	3
	Political Science Elective (300-400)	3

**Total Credit Hours: 24**

## **SOCIOLOGY MINOR**

A Sociology degree is based on the study of social life and the social causes and consequences of human behavior. It examines the composition of groups, organizations and societies and their informal development and interaction and prepares its graduates Counseling, Community activism, diversity training and other fields.

### **REQUIREMENTS**

**Courses**

SOC 110	Introduction to Sociology	3
SOC 115	Social Problems	3
SOC 325	Research Methods	3
SOC 491	Seminar In Sociology Three Credits Required	1-6
	Sociology Electives (300-400)	12

**Total Credit Hours: 24****HISTORY**

## **BACHELOR OF SCIENCE IN EDUCATION DEGREE - HISTORY EDUCATION**

Will provide the content base for the teaching of history.

**Degree Requirements:**

General Education Courses  
Major Courses  
Secondary Professional Education Sequence

*Degree available in Bismarck and DSUlive***Student Learning Outcomes**

History education graduates will:

1. Analyze, interpret, and use data and information in learning and in research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Use technology as both a learning and as a professional application tool. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
3. Communicate ideas clearly through visual, verbal, and written forms using graphs, models, and the vocabulary specific to the Social Sciences. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)

4. Demonstrate an ability to build upon and apply Social Science intellectual knowledge (and skills) in a variety of settings and environments. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)
5. Develop a critical awareness of the integral relationship of humankind through a global Social Science perspective. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)
6. Learn to interpret the social and spatial dimensions of disease, the economic relationships between health and wealth, and the political, cultural, ecological, and historical ramifications of the interactions of human and biological agents concerning health and wellness. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

## REQUIREMENTS

### History Education Major Courses

Students must earn a grade of "C" or higher in all required courses for this program.

#### Students must complete the following:

HIST 103	United States To 1877	3
HIST 104	United States Since 1877	3
HIST 211	World Civilizations To 1500	3
HIST 212	World Civilizations Since 1500	3
HIST 310	History Of North Dakota	3
HIST 491	History Seminar Three Credits Required	1-6
	History Electives (300-400)	12

#### Students must select one of the following areas of study (12 credits):

##### Economics:

ECON 106	Global Economics	3
	Economic Electives (300-400)	6

##### Geography:

GEOG 121	Physical Geography	3
GEOG 161	World Regional Geography	3
GEOG 262	Geography of North America	3
	Geography Electives (300-400)	3

##### Political Science:

POLS 115	American Government	3
POLS 330	History of Political Thought	3
	Political Science Electives (300-400)	6

#### Students must complete the following course:

SEED 490D	Methods of Teaching Social Science	3
		<b>Subtotal: 45</b>

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

### Pre-Professional Courses

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field Experience II	1

### Professional Courses in Disciplinary Methods Block (must be taken concurrently):

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

### Disciplinary Courses

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

### Additional Professional Courses:

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498 Teaching in the Secondary School 13

**Subtotal: 41**

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305 Philosophy and Curriculum of Middle School 2

EDUC 310 Methods of Teaching in Middle School 2

EDUC 350 Portfolio Preparation 1

SEED 370 Reading in the Content Areas 3

**Subtotal: 41-49**

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 86-94****BACHELOR OF ARTS DEGREE - HISTORY**

A degree in history focuses on the general study and interpretation of the past, providing and extraordinary education and research opportunities, empowering students in such activities such as museum curator, document researcher and history teacher.

**Degree Requirements:**

General Education Courses

Major Courses

Minor Courses

Foreign Language Requirement

Electives

***Degree available in Bismarck and DSUlive*****Student Learning Outcomes**

The history graduate will:

1. Demonstrate knowledge of past societies and familiarity with patterns of social, political, economic, and culture changes. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
2. Recognize how information can be used as historical data and analyze the role of evidence in the construction of historical arguments. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
3. Understand the challenge of weighing multiple perspectives and evaluate the merits of competing interpretations. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, VI, and VII.)
4. Conduct research utilizing both primary and secondary sources and make assessments about the relative utility of gathered data. (This learning outcome directly addresses Institutional Learning Outcomes II, V, VI, and VII.)

5. Construct persuasive and evidence based arguments about historical change and present them in written, visual, and oral formats. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)

**REQUIREMENTS****History Major Courses**

HIST 103 United States To 1877 3

HIST 104 United States Since 1877 3

HIST 211 World Civilizations To 1500 3

HIST 212 World Civilizations Since 1500 3

HIST 491 History Seminar 1-6  
Three Credits Required

Additional Electives in History (300-400) 23

**Total Credit Hours: 38****HISTORY EDUCATION MINOR - SECONDARY EDUCATION**

Will provide the content base for the teaching of history.

**REQUIREMENTS**

Students must earn a grade of "C" or higher in all required courses for this program.

**Courses**

HIST 103 United States To 1877 3

HIST 104 United States Since 1877 3

HIST 211 World Civilizations To 1500 3

HIST 212 World Civilizations Since 1500 3

HIST 491 History Seminar 1-6  
Three Credits RequiredSEED 490D Methods of Teaching Social Science 3  
History Electives (300-400) 6**Total Credit Hours: 24****HISTORY MINOR - ELEMENTARY EDUCATION OR NON-TEACHING**

A minor in history focuses on the general study and interpretation of the past, providing and extraordinary education and research opportunities, empowering students in such activities such as museum curator, document researcher and history teacher.

**REQUIREMENTS****Courses**

HIST 103 United States To 1877 3

HIST 104 United States Since 1877 3

HIST 211 World Civilizations To 1500 3

HIST 212 World Civilizations Since 1500 3

HIST 491 History Seminar 1-6  
Three Credits Required

History Electives (300-400) 9

**Total Credit Hours: 24**

**GEOGRAPHY****GEOGRAPHY EDUCATION MINOR -  
SECONDARY EDUCATION**

Will provide the content base for the teaching of geography and the study of a diverse number of social science disciplines.

Students must earn a grade of "C" or higher in all required courses for this program.

**REQUIREMENTS****Courses**

GEOG 121	Physical Geography	3
GEOG 161	World Regional Geography	3
GEOG 262	Geography of North America	3
SEED 490D	Methods of Teaching Social Science	3
	Geography Electives (300-400)	12

**Total Credit Hours: 24**

**GEOGRAPHY MINOR - ELEMENTARY  
EDUCATION OR NON-TEACHING**

The field of geography is concerned with the patterning of the interaction of society and the physical structures of the world and prepares its graduates for careers in nature management, GIS Systems and other fields relevant to the study of the environment.

**REQUIREMENTS****Courses**

GEOG 121	Physical Geography	3
GEOG 161	World Regional Geography	3
GEOG 262	Geography of North America	3
	Geography Electives (300-400)	15

**Total Credit Hours: 24**

**POLITICAL SCIENCE****BACHELOR OF ARTS DEGREE -  
POLITICAL SCIENCE**

Political science majors will be preparing for a career in Political Science activities such as learning about government and politics, preparing them for careers such as lobbyist, public administrator, political consultant and campaign manager. Our pre-law option provides preparation for law school and a career in studying and practicing law. Our International Relations option provides preparation in Global issues such as diplomacy and international political economy and security.

**Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirements  
Electives

**Degree available DSUlive**

**Student Learning Outcomes**

Political Science graduates will:

1. Demonstrate substantive understanding of governmental and political processes in a global context. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and VI.)
2. Conduct political analysis using a range of qualitative and quantitative tools. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V, and VI.)
3. Reason analytically to evaluate causal claims in political science. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V, VI, and VII.)
4. Demonstrate a capacity, in both oral and written communication, to present arguments cogently and ground them in empirical evidence. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VII.)

**REQUIREMENTS****Political Science Major Courses**

POLS 115	American Government	3
POLS 325	Research Methods	3
POLS 330	History of Political Thought	3
POLS 350	International Relations	3
POLS 491	Political Science Seminar Three Credits Required	1-6
MATH 305	Probability and Statistics Electives in Political Science (300-400)	4 15

**Subtotal: 34**

**OPTIONS****Political Science International Relations Professional  
Option**

ECON 106	Global Economics	3
GEOG 161	World Regional Geography	3
HIST 211	World Civilizations To 1500	3
HIST 212	World Civilizations Since 1500	3
MATH 305	Probability and Statistics	4
POLS 115	American Government	3
POLS 240	Political Ideologies	3
POLS 325	Research Methods	3
POLS 330	History of Political Thought	3
POLS 350	International Relations	3
POLS 360	Comparative Government	3

POLS 491	Political Science Seminar Three Credits Required	1-6
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**Subtotal: 37**

**Political Science Pre-Law Professional Option**

HIST 103	United States To 1877	3
HIST 104	United States Since 1877	3
HIST 365	US Supreme Court and the Constitution	3
MATH 305	Probability and Statistics	4
POLS 115	American Government	3
POLS 201	The Criminal Justice System	3
POLS 240	Political Ideologies	3

POLS 330	History of Political Thought	3
POLS 347	The Judicial System	3
POLS 325	Research Methods	3
POLS 491	Political Science Seminar Three Credits Required	1-6
	Political Science Elective (300-400)	3
		<b>Subtotal: 37</b>
		<b>Total Credit Hours: 71</b>

## **POLITICAL SCIENCE MINOR**

Political science minors will be preparing for a career in Political Science activities such as learning about government and politics, preparing them for careers such as lobbyist, public administrator, political consultant and campaign manager. Our pre-law option provides preparation for law school and a career in studying and practicing law. Our International Relations option provides preparation in Global issues such as diplomacy and international political economy and security.

### **REQUIREMENTS**

#### **Courses**

POLS 115	American Government	3
POLS 325	Research Methods	3
POLS 330	History of Political Thought	3
POLS 350	International Relations	3
POLS 491	Political Science Seminar Three Credits Required	1-6
	Political Science Electives (300-400)	9
		<b>Total Credit Hours: 24</b>

## **PSYCHOLOGY**

### **BACHELOR OF SCIENCE DEGREE - PSYCHOLOGY**

A degree program that focuses on the provides an education, in fields relevant the physical and environmental bases of human behavior in fields such as counseling, therapy, group dynamics and teaching in the field of Psychology.

#### **Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses  
Electives

*Degree available DSUlive*

#### **Student Learning Outcomes**

The Student Learning Outcomes for the Psychology Program address four categories of importance to the disciplinary field:

#### **I. Knowledge Base in Psychology:**

Integrate psychological knowledge in the following domains: Abnormal, Personality, Developmental, Social, History, Treatments/Therapeutics, Biological, Health, Learning & Cognition. This learning outcome directly addresses Institutional Learning Outcomes I, IV, V, VII.

**II. Scientific Inquiry and Critical Thinking:** Read, analyze, and evaluate quantitative and qualitative research; Use scientific inquiry and critical thinking to study and interpret psychological research. This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, VII.

**III. Psychological Research:** Research design, data collection, data analysis and presentation of research findings.

Students demonstrate effective oral, written, and interpersonal communication skills for information exchange. This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI, VII.

**IV. Professional Development:** Professional presentation skills and effective interaction with others. Apply psychological content and skills to career goals. This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, VI, VII.

### **REQUIREMENTS**

#### **Basic Core Requirements for Psychology Major**

PSYC 250	Developmental Psychology	3
PSYC 260	History and Systems	3
PSYC 320	Health Psychology	3
PSYC 335	Biological Psychology	3
PSYC 345	Research and Experimentation in Psychology I	3
PSYC 346	Research and Experimentation in Psychology II	3
PSYC 355	Psychology of Learning	3
PSYC 365	Social Psychology	3
PSYC 370	Abnormal Psychology	3
PSYC 375	Theories of Personality	3
PSYC 491	Seminar In Psychology Three Credits Required	3-6
PSYC 494	Independent Study, Undergraduate Research One Credit Required	1-6
PSYC 497	Psychology Internship, Externship, Cooperative Education	3

**Subtotal: 37**

#### **Select nine credits from the following:**

MATH 305	Probability and Statistics	4
PSYC 240	Human Sexuality	3
PSYC 270	Psychology of Dreams	3
PSYC 289	Group Dynamics	3
PSYC 292	Experimental Course	1-4
PSYC 332	Psychological Assessment	3
PSYC 353	Adolescent Psychology	3
PSYC 360	Forensic Psychology and Criminal Profiling	3



PSYC 410	Counseling Psychology	3
PSYC 420	Drugs, the Brain and Behavior	3
PSYC 492	Experimental Course	1-4
PSYC 494	Independent Study, Undergraduate Research	1-6
PSYC 497	Psychology Internship, Externship, Cooperative Education	3

**Subtotal: 9****Total Credit Hours: 47**

## **PSYCHOLOGY MINOR - ELEMENTARY EDUCATION, SECONDARY EDUCATION OR NON-TEACHING**

A degree program that focuses on the provides an education, in fields relevant the physical and environmental bases of human behavior in fields such as counseling, therapy, group dynamics and teaching in the field of Psychology.

### **REQUIREMENTS**

#### **Courses**

PSYC 111	Introduction to Psychology	3
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#### **Select twenty-one credits from the following:**

MATH 305	Probability and Statistics	4
PSYC 240	Human Sexuality	3
PSYC 250	Developmental Psychology	3
PSYC 260	History and Systems	3
PSYC 270	Psychology of Dreams	3
PSYC 289	Group Dynamics	3
PSYC 292	Experimental Course	1-4
PSYC 320	Health Psychology	3
PSYC 332	Psychological Assessment	3
PSYC 335	Biological Psychology	3
PSYC 345	Research and Experimentation in Psychology I	3
PSYC 346	Research and Experimentation in Psychology II	3
PSYC 353	Adolescent Psychology	3
PSYC 355	Psychology of Learning	3
PSYC 360	Forensic Psychology and Criminal Profiling	3
PSYC 365	Social Psychology	3
PSYC 370	Abnormal Psychology	3
PSYC 375	Theories of Personality	3
PSYC 410	Counseling Psychology	3
PSYC 420	Drugs, the Brain and Behavior	3
PSYC 491	Seminar In Psychology Three Credits Required	3-6
PSYC 492	Experimental Course	1-4
PSYC 497	Psychology Internship, Externship, Cooperative Education Three Credits Required	3

**Total Credit Hours: 24**

## **ASSOCIATE IN SCIENCE DEGREE - SUBSTANCE ABUSE COUNSELING**

Substance abuse counseling provides the skills and preparation for the type of counseling that can be used to help people overcome and conquer dependencies on substances, such as alcohol and drugs with preparation for a career.

### **Degree available DSUIive**

#### **Student Learning Outcomes:**

1. Analyze, interpret, and use data and information in learning and in research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Use technology as both a learning and as a professional application tool. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
3. Communicate ideas clearly through visual, verbal, and written forms using graphs, models, and the vocabulary specific to the Social Sciences. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, and VII.)
4. Demonstrate an ability to build upon and apply Social Science intellectual knowledge (and skills) in a variety of settings and environments. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

### **REQUIREMENTS**

#### **General Education Course Requirements**

Group I (A)	ENGL 110 or ENGL 111H*	3
Group I (B)	ENGL 120 or ENGL 121H*	3
Group I (C)	COMM 110 or COMM 111H*	3
Group II (A)	CSCI 101	3
Group II (B)	COMM 216 or SPAN 101	3
Group II (C)	PSYC 111	3
Group II (D)	Well-Being	2
Group III (A)	Creative Expressions	3
Group III (B)	Literature	3
Group III (C)	MATH 103 (Recommended)	4
Group III (D)	Social Science	3
Group III (E)	Natural Science	4

Elective	POLS 115 (Recommended)	3
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<b>Total Credit Hours</b>		<b>40</b>
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**Core Courses**

PSYC 250	Developmental Psychology	3
PSYC 370	Abnormal Psychology	3
PSYC 410	Counseling Psychology	3
PSYC 420	Drugs, the Brain and Behavior	3
SOC 115	Social Problems	3
SOC 310	Sex and Drugs in Society	3
SWK 381	Cultural Diversity	3

<b>Subtotal: 21</b>		
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**Select three credits of the following:**

PSYC 297	Psychology Internship, Externship, Cooperative Education	1-6
SOC 297	Sociology Internship, Externship, Cooperative Education	1-6

<b>Subtotal: 3</b>		
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<b>Total Credit Hours: 64</b>		
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# SCHOOL OF EDUCATION

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## ***School of Education***

### **Faculty**

Full-time Faculty: J. Aus-Chair, J. Braunagel, S. Corrigan, D. Hoffman, P. Krueger, K. Moberg, D. Secord

### **Mission**

The Teacher Education Program at Dickinson State University is based on the conceptual framework of Teachers as Reflective Decision-Makers. The goal and mission of the Teacher Education Program is helping prospective teachers to become effective decision-makers who base decisions on a well-developed philosophy of education. The conceptual framework is consistent with the mission of the University and is designed to graduate a fully competent teacher who can contribute to the improvement of education for students in North Dakota as well as in other states, which in turn will result in an improvement in the quality of life for all citizens.

### **Participation in Writing Across the Curriculum and Writing in the Disciplines**

By completing the designated courses for the Education (p. 30) degree programs, students will have completed the requirements for the university's writing program as described in the Academic Affairs section of the catalog for Writing Across the Curriculum/Writing in the Disciplines. See the Writing Across the Curriculum section of the catalog for the designated courses used to meet writing requirements for each program. Course descriptions will also identify courses that are part of the writing program.

### **Student Learning Outcomes for the Teacher Education Program**

The ten InTASC (Interstate Teacher Assessment and Support Consortium) standards comprise the program outcomes for the Teacher Education Program. All coursework and experiences in the program are designed to enhance candidates' proficiency in the InTASC standards, which articulate the basic competencies that should be mastered by a beginning teacher.

Graduates of the Teacher Education Program will demonstrate knowledge, skills, and dispositions in these areas:

#### **I. The Learner and Learning**

##### **InTASC Standard 1: Learner Development**

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)

##### **InTASC Standard 2: Learning Differences**

The teacher uses understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet

high standards. (This learning outcome directly addresses Institutional Learning Outcomes I, III, V, and VI.)

##### **InTASC Standard 3: Learning Environments**

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes III, V, and VI.)

#### **II. Content Knowledge**

##### **InTASC Standard 4: Content Knowledge**

The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) that he or she teaches and creates learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content. (This learning outcome directly addresses Institutional Learning Outcomes II, III, VI, and VII.)

##### **InTASC Standard 5: Application of Content**

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V, VI, and VII.)

#### **III. Instructional Practice**

##### **InTASC Standard 6: Assessment**

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II and III.)

##### **InTASC Standard 7: Planning for Instruction**

The teacher plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context. (This learning outcome directly addresses Institutional Learning Outcomes II, III, VI and VII.)

##### **InTASC Standard 8: Instructional Strategies**

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V and VI.)

## IV. Professional Responsibility

### InTASC Standard 9: Professional Learning and Ethical Practice

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes IV, V, and VI.)

### InTASC Standard 10: Leadership and Collaboration

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes IV, V, and VI.)

Students' achievement of these program outcomes is assessed with multiple measures at points throughout the program. Program assessment tools specify indicators that are related to each outcome and that are aligned with the seven Institutional Learning Outcomes for Dickinson State University.

### Accreditation and Program Approval

The Teacher Education Program at Dickinson State University is nationally accredited by the Council for the Accreditation of Educator Preparation (CAEP), 2010 Massachusetts Avenue NW, Suite 500, Washington, DC 20036; telephone: (202) 223-0077. This accreditation covers initial teacher preparation programs. CAEP is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation as a professional accrediting body for teacher preparation.

CAEP advances excellence in educator preparation through evidence-based accreditation that assures quality and supports continuous improvement to strengthen P-12 student learning. More than 900 educator preparation providers participate in the CAEP accreditation system.

The CAEP Standards for Accreditation of Educator Preparation focus on five areas:

- Content and Pedagogical Knowledge
- Clinical Partnerships and Practice
- Candidate Quality, Recruitment, and Selectivity
- Program Impact
- Provider Quality Assurance and Continuous Improvement

The Teacher Education Program at Dickinson State University is also approved by the North Dakota Education Standards and Practices Board (ESPB), 2718 Gateway Avenue, Suite 303, Bismarck, ND 58503-0585; telephone: (701) 328-9641. ESPB sets the standards pertaining to teacher licensure, teacher education program approval (accreditation), and professional development of educators.

The membership of ESPB includes

- 4 classroom teachers from the public schools
- 1 classroom teacher from a private school
- 2 school board members
- 2 school administrators
- 1 dean of a college of education

### West River Teacher Center

The West River Teacher Center (WRTC) is an integral part of the DSU School of Education. The WRTC offers face-to-face classes, online classes, and other programming so that teachers may earn professional development graduate credits (EDUC 2000) to strengthen their knowledge and skills and meet state licensing requirements. Continuing education is provided by DSU faculty/staff or in collaboration with other organizations, such as state agencies, local organizations, and area schools.

DSU and the WRTC offer teachers two levels of graduate courses. The School of Education offers five graduate-level courses that may be taken through DSU and will be accepted by Minot State as fulfilling part of the Masters of Education (M.Ed.) program requirements. Information about DSU's Graduate Studies in Education and course rotation is available through the DSU School of Education.

The School of Education also offers EDUC 2000 Supervision of Student Teachers. The State of North Dakota requires that pre-service teachers (student teachers) be placed with teachers who have completed a course in Supervision of Student Teachers. DSU offers this self-paced course online on a semester schedule. To check course availability, visit [www.dickinsonstate.edu/wrtc](http://www.dickinsonstate.edu/wrtc).

### Middle School Endorsements

Students in the Teacher Education Program who are interested in obtaining a middle school endorsement for grades 5-8 from the North Dakota Education Standards and Practices Board (ESPB) should contact their academic advisor for more information regarding this endorsement and the qualifying coursework at Dickinson State University.

## Other Teaching Endorsements and Credentials

The North Dakota Education Standards and Practices Board (ESPB) and the Department of Public Instruction (DPI) make it possible for teachers to add a variety of endorsements and credentials to their standard teaching licenses. Certain coursework at Dickinson State University may qualify a student for one of those endorsements or credentials through ESPB or DPI. An interested student should consult his or her academic advisor to discuss options regarding endorsements or credentials beyond those described above.

## TEACHER EDUCATION PROGRAM ADMISSION, RETENTION, AND EXIT REQUIREMENTS

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The criteria for admission to, retention in, and exit from the Teacher Education Program are set by the Teacher Education Council and are subject to change. Policies and procedures related to the Teacher Education Program are provided in the Teacher Education Handbook, posted with other program information on the School of Education Web site.

### ADMISSION TO THE TEACHER EDUCATION PROGRAM

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Upon completion of EDUC 250: Introduction to Education, candidates may apply for admission to the Teacher Education Program. In cases in which a candidate has taken from another institution a course that can be substituted for EDUC 250: Introduction to Education, an application for admission may be completed once the candidate has completed a minimum of thirty semester hours and has declared a major in education. Admission criteria are

- Completion of thirty (30) semester hours;
- Completion of EDUC 250: Introduction to Education with a minimum grade of C;
- Passing scores on the Praxis I exam (the Core Academic Skills for Educators tests in reading, writing, and mathematics);
- A minimum grade of C in ENGL 110: College Composition I and ENGL 120: College Composition II;
- A minimum grade of C in COMM 110: Fundamentals of Public Speaking;
- A minimum cumulative GPA of 2.75;
- Participation in interview and writing sample assessments;
- Recommendation from one's advisor and the instructors of EDUC 250;
- Approval of the Chair of the School of Education; and
- Approval of the Teacher Education Council via committee.

The Chair will notify the candidate in writing of one of the following levels of action for admission to Teacher Education:

- Full Admission: This will allow the candidate to enroll in professional education courses.
- Provisional Admission (one semester): This is used in special cases at the discretion of the Teacher Education Council. It may be granted to a candidate who has not met one or more of the requirements for full admission to the program. Candidates granted provisional admission may enroll in professional education courses. However, they have only one semester to meet all conditions for full admission. Failure to meet all admission requirements after the one term provisional acceptance may result in dismissal from the program.
- Denied Admission: In this case, the candidate is not admitted to the Teacher Education Program and may not enroll in professional education courses. Candidates who have twice been denied admission to the Teacher Education Program will not be allowed to reapply. Applications are reviewed twice per year—at the end of the fall and spring semesters. Applications are not accepted or reviewed during the summer months.

### RETENTION IN THE TEACHER EDUCATION PROGRAM

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Following admission to the Teacher Education Program, candidates' good standing will be reviewed each semester by the Teacher Education Council. A candidate may be placed on probation or removed from the program if he or she:

- Fails to exhibit professional behavior in all courses, field experiences, and interactions with peers and faculty;
- Violates the student code of conduct or criminal law;
- Earns a grade lower than C in any course of the professional education sequence or major requirements;
- Allows his or her GPA to fall below 2.75; or
- Displays unsatisfactory knowledge, skills, and dispositions as determined by program faculty.

A candidate placed on probation has one semester in which to rectify the condition resulting in probation. If the condition is not removed at the end of the probationary semester, the candidate will be dismissed from the program.

Teacher Education Program candidates are permitted to retake only one major or professional education course while in the program.

Once admitted into the Teacher Education Program, candidates must take at least one major course each fall and spring semester. Candidates who fail to take a major course in more than one fall or spring semester without first notifying the School of Education will be removed from the program and must reapply to be reinstated.

Candidates can apply for readmission only once.

## PRAXIS EXAMS

The state of North Dakota requires passing scores on a series of three Praxis exams administered by ETS, the Educational Testing Service. The first exam is the Praxis I (the Core Academic Skills for Educators exam), which has subtests for three areas: reading, writing, and mathematics. Candidates complete this exam prior to admission into the Teacher Education Program.

Candidates also take two Praxis II exams. One is a content exam in their subject area (e.g., math, physical education, English, elementary education), and the other is a pedagogy exam in their licensure level (e.g., elementary, secondary). Testing locations are available in both Dickinson and Bismarck. Information about specific exam codes, required scores for passing, and registration information is available at the following ETS Web site: [www.ets.org/praxis/nd/](http://www.ets.org/praxis/nd/)

In order to graduate from the Teacher Education Program, candidates must have passing scores on all required Praxis exams.

## PROFESSIONAL EDUCATION PORTFOLIO

All candidates in the Teacher Education Program prepare a professional education portfolio under the framework of the ten InTASC standards. The purpose of the portfolio is for candidates to link their products and performances to the program outcomes. Candidates select artifacts from their courses and field experiences that demonstrate their proficiency in each of the program outcomes. A key element of the portfolio is candidates' rationale for artifact selection. Faculty seek to determine how well the candidates understand their educational decision-making as it relates to current research and best practices.

Program faculty designate key assessments in various courses to help candidates understand the link between theory and practice and justify their professional choices. These course-embedded key assessments (one for each InTASC standard) serve as the candidates' artifacts for their first level of portfolio review. As such, candidates cannot progress in the program without having submitted the requisite artifacts for faculty review. Should a candidate fail to submit a course-embedded key assessment, an incomplete grade (I) will be recorded until the required assignment is submitted. If the candidate does not submit the key assessment within the designated time frame, the course grade will convert from an I to an F, and the candidate will need to repeat the course.

## PORTFOLIO REVIEW

A formal portfolio review takes place as part of the candidates' application for pre-service teaching. Candidates will have self-selected artifacts to demonstrate their proficiency in each of the program outcomes and will have created accompanying rationale narratives that link the artifacts to the candidates' understanding of the related InTASC standards. A candidate presents his or her portfolio while enrolled in EDUC 350, portfolio preparation and is evaluated using the Portfolio Review Rubric, posted with other program information on the School of Education Web site. This portfolio review determines the candidate's readiness for pre-service teaching and at that time either recommends or denies the candidate's application to student teach.

## FINAL PORTFOLIO REVIEW

After completion of the student teaching experience, candidates once again give an oral presentation on their development of each of the InTASC standards. The presentation include candidates' self-selected artifacts as evidence of their proficiency in each of the program outcomes, as well as their verbal articulation of the links between their artifacts and their understanding of each of the standards.

## ADMISSION TO STUDENT TEACHING

All education candidates must complete a full-time, fourteen-week student teaching experience.

Admission requirements for student teaching include

- a 2.75 cumulative GPA;
- a 2.75 GPA in the major (for elementary education GPA calculations, the major is defined as all courses listed under the major except BIOL 111: Concepts of Biology and its lab - BIOL 111L);
- a 2.50 GPA in the minor (for those with double majors, one may be treated as a minor for GPA purposes);
- Completion of all major and professional education courses with a grade of C or better (or S for "S/U" courses) by the end of the application term;
- Recommendation by the Chair of the candidate's major;
- Passing scores on all Praxis I and II exams required for licensure;
- Proof of liability insurance;
- Fingerprint background check;
- Successful portfolio defense.

A candidate's recommendation by his or her Chair represents approval by that department's faculty members, who review each candidate on the bases of scholastic record, dispositions, eligibility for teacher licensure, and skills in oral and written communication.

The Teacher Education Council by Teacher Education Committee will make final decisions regarding admission to student teaching.

## EXIT FROM THE TEACHER EDUCATION PROGRAM

Candidates who earn a grade of "C" or higher for pre-service teaching and have completed all program requirements may successfully exit the program. Candidates cannot complete pre-service teaching without having successfully completed all required assignments as detailed in the Pre-Service Teaching Handbook, posted with other program information on the School of Education Web site.

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - ELEMENTARY EDUCATION

Bachelor of Science in Elementary Education degrees provide students with the content, pedagogy, and practice to serve as a teacher in grades 1-8. Additional endorsements are available in reading, early childhood, and middle school. This program culminates with a 12-week student teaching experience in K-12 schools.

The Bachelor of Science in Education degree with a major in Elementary Education includes general education courses, courses from specific disciplines, professional education courses, courses for an optional minor or area of concentration, and elective courses. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

### Degree Requirements:

General Education Courses  
Major Courses  
Optional Minor or Concentration courses  
Elective Courses

*Degree available in Bismarck, DSUlive, and online*

### Requirements

#### General Education Requirements for the Major in Elementary Education

For accreditation and licensure requirements the following general education courses are required for a major in Elementary Education:

#### Communication

ENGL 110	College Composition I Or	3
ENGL 111H	Honors Composition I	3
ENGL 120	College Composition II Or	3
ENGL 121H	Honors Composition II	3
COMM 110	Fundamentals Of Public Speaking Or	3
COMM 111H	Honors Public Speaking	3

### Citizenship

CSCI 101	Introduction To Computers	3
GEOG 161	World Regional Geography	3
HPER 100	Concepts of Fitness and Wellness	2
PSYC 111	Introduction to Psychology	3

### Critical and Creative Thinking

ART 122	Two-Dimensional Design	3
BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
MATH 103	College Algebra	4
GEOL 100	Earth Science	3
GEOL 100L	Earth Science Laboratory	1

#### Select one course from the following:

ENGL 220	Introduction to Literature	3
ENGL 240	Masterpieces of World Literature	3
ENGL 260	Masterpieces of American Literature	3

#### Select one course from the following:

HIST 103	United States To 1877	3
HIST 104	United States Since 1877	3

**Subtotal: 41**

### Elementary Education Major Courses

#### Pre-Professional Courses:

BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
EDUC 250	Introduction to Education with Field Experience	4
ELED 238	Children's Literature	3
ENGL 382	Adolescent Literature	3
GEOL 100	Earth Science	3
GEOL 100L	Earth Science Laboratory	1
PSYC 250	Developmental Psychology	3
SCNC 105	Physical Science	3
SCNC 105L	Physical Science Lab	1

#### Professional Courses in Elementary Methods Block - Fall

ELED 300	Elementary Curriculum and Language Arts	3
ELED 390S	Elementary Education Science Methods	3
ELED 390X	Teaching Mathematics in Elementary and Middle School	3
ELED 398B	Elementary Methods Block Field Experience I Or	1
ELED 398C	Elementary Methods Block Field Experience II	1

These courses must be taken concurrently.

#### Professional Courses in Elementary Methods Block - Spring

ELED 282	Reading Across Curriculum and Content Reading	3
ELED 310	Elementary Curriculum and Social Studies	3
ELED 390A	Creative Arts for Elementary Teacher	3
ELED 390P	Teaching Physical Education and Health in the Elementary School	1
ELED 398B	Elementary Methods Block Field Experience I Or	1
ELED 398C	Elementary Methods Block Field Experience II	1

These courses must be taken concurrently.

**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 350	Portfolio Preparation	1
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3
ELED 281	Reading for the Elementary Teacher	3
ELED 383	Diagnosis and Correction of Reading Disabilities	2
ELED 484	Practicum in Reading	1
MATH 277	Mathematics for Elementary Teachers I	3
MATH 278	Mathematics for Elementary Teachers II	3

**Subtotal: 66**

EDUC 280 and EDUC 300 and EDUC 398D must be taken concurrently

EDUC 350 is taken the same semester as one's application to pre-service teach.

ELED 383 and 484 must be taken concurrently.

**Pre-Service Teaching Semester (13-15 credits):**

Select one (ELED 498K requires prior completion of coursework for early childhood concentration):

ELED 498A	Teaching in the Elementary School	13
ELED 498K	Teaching in Elementary and Early Childhood Classrooms	15

**Subtotal: 79-81**

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
SEED 370	Reading in the Content Areas	3

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**MINORS AND AREAS OF CONCENTRATION**

In addition to the General Education and major requirements, an Elementary Education major may choose to pursue a minor or an area of concentration. If the minor is in a subject that teachers can be licensed to teach in North Dakota, then it can lead to licensure in combination with an education major. Students should consult with their academic advisors or the department chair to discuss licensure details. Specific requirements for each minor are shown under that department in the catalog.

With the approval of the chair of the School of Education, a student may select coursework for the middle school endorsement in lieu of a minor. The middle school endorsement must be in a content area approved by the North Dakota Education Standards and Practices Board (ESPB). Coursework applicable to the middle school endorsement will be determined in consultation with the academic advisor and the department chair.

A concentration consists of a minimum of 12 hours in one of these areas: natural science, social science, computer science, mathematics, reading, or early childhood. Other options may be available with the approval of the chair of the School of Education. Required courses for the major or those courses used for general studies may not be counted in an area of concentration. Otherwise, coursework for most areas of concentration is decided jointly by the student and his or her academic advisor. Two exceptions are the reading and early childhood concentrations. Those concentrations lead to special state teacher license endorsements or credentials and require particular courses, as described in the next section.

**Requirements for the Area of Concentration in Early Childhood Education**

A student must be majoring in Elementary Education and be admitted into the Teacher Education Program to take the required courses in the early childhood sequence. Students must complete the entire sequence to be recommended for an early childhood endorsement on a state teaching license.

EC 310	Introduction to Early Childhood Education	3
EC 313	Language and Literacy in Early Childhood	3
EC 323	Observation and Assessment in Early Childhood	3
EC 324	Early Childhood Curriculum, Methods and Materials	3
ELED 498B	Teaching in the Elementary School: Early Childhood	7

ELED 498B is for students who already have completed ELED 498A - Teaching in the Elementary School (15 credits). Alternately, students may complete ELED 498K - Teaching in Elementary and Early Childhood Classrooms (15 credits) **in lieu of** ELED 498A and ELED 498B.

**Subtotal: 19****Requirements for the Area of Concentration in Reading**

A student must be admitted into the Teacher Education Program to take the required courses in the area of concentration in reading. The area of concentration in reading offers the coursework leading to a reading credential for grades K-6. To obtain a reading credential, students make application to the North Dakota Department of Public Instruction (DPI) after graduation and attainment of their initial North Dakota teaching license for elementary school.



ELED 282	Reading Across Curriculum and Content Reading	3
ELED 383	Diagnosis and Correction of Reading Disabilities	2
ELED 484	Practicum in Reading	1
EC 313	Language and Literacy in Early Childhood	3
COMM 211	Oral Interpretation	3

**Select two courses from the following: (6 credits)**

ENGL 211	Introduction to Creative Writing	3
ENGL 232	Mythology	3
ENGL 315	Structure and History of English	3
ENGL 320	Modern Grammar	3
ENGL 380	Studies in Poetry	3
ENGL 382	Adolescent Literature	3

**Subtotal: 20****ASSOCIATE IN SCIENCE DEGREE -  
ELEMENTARY EDUCATION OPTION**

Associate in Science in Elementary Education provides students with some content and pedagogy required of students in the B.S. program. This program is beneficial for those who are working as paraprofessionals in the school district and parents who may want to gain some pedagogy for working with their own children. This program transitions into the B.S. in Elementary Education.

The Associate in Science in Elementary Education includes general education courses, courses from specific disciplines, professional education courses and elective courses. A grade of "C" or better is required in all communication, science, professional education, and elective courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "A" through "F" letter basis.

**Degree Requirements:**

General Education Courses  
Professional Education Courses  
Elective Courses

**Degree available DSUlive****REQUIREMENTS****General Education Requirements for the Associate in Science degree in Elementary Education**

This degree is a transitional degree into the Bachelor of Science in Elementary Education. General education requirements are specific to meet the requirements of both degrees.

**First Year Experience**

UNIV 100	Freshman Seminar	1
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**Communication**

ENGL 110	College Composition I	3
	Or	
ENGL 111H	Honors Composition I	3
ENGL 120	College Composition II	3
	Or	
ENGL 121H	Honors Composition II	3

COMM 110	Fundamentals Of Public Speaking	3
	Or	
COMM 111H	Honors Public Speaking	3

**Citizenship**

CSCI 101	Introduction To Computers	3
GEOG 161	World Regional Geography	3
HPER 100	Concepts of Fitness and Wellness	2
PSYC 111	Introduction to Psychology	3

**Critical and Creative Thinking**

ART 122	Two-Dimensional Design	3
BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
MATH 103	College Algebra	4

**Select one course from the following:**

HIST 103	United States To 1877	3
HIST 104	United States Since 1877	3

**Select one course from the following:**

ENGL 220	Introduction to Literature	3
ENGL 240	Masterpieces of World Literature	3
ENGL 260	Masterpieces of American Literature	3

**Select four credits from the following:**

GEOL 100	Earth Science	3
GEOL 100L	Earth Science Laboratory	1
	Or	

SCNC 105	Physical Science	3
SCNC 105L	Physical Science Lab	1

**Education Core:**

EDUC 250	Introduction to Education with Field Experience	4
EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 405	Educational Psychology	2
ELED 238	Children's Literature	3
ELED 281	Reading for the Elementary Teacher	3
PSYC 250	Developmental Psychology	3

**Students will choose 2-3 credits from the following:**

EDUC 305	Philosophy and Curriculum of Middle School	2
ENGL 382	Adolescent Literature	3
MATH 277	Mathematics for Elementary Teachers I	3

**Total Credit Hours: 67-68**

## ASSOCIATE IN SCIENCE DEGREE - SECONDARY EDUCATION OPTION

Associate in Science in Secondary Education provides students with some content and pedagogy required of students in the B.S. program. This program is beneficial for those who are working as paraprofessionals in the school district and parents who may want to gain some pedagogy for working with their own children. This program transitions into the B.S. in content area Secondary Education.

The Associate in Science in Secondary Education degree includes courses in General Education and professional education. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses grades on an "S/U" letter basis.

### Degree Requirements:

General Education Courses  
Professional Education Courses  
Elective Courses

*Degree available DSUlive*

## REQUIREMENTS

### General Education Requirements for the Associate in Science degree in Secondary Education

The university's general education requirements as set forth in the catalog must be met. Students who want to continue with a BS in Education should contact their intended major department for general education courses that may be required in the major. The following general education course is a requirement for the Associate in Science Secondary Education degree.

### General Education Requirements

PSYC 111 Introduction to Psychology 3

### Education Core:

EDUC 250 Introduction to Education with Field Experience 4

EDUC 280 Education of Exceptional Learners 3

EDUC 300 Teaching For Diversity with Field Experience 3

EDUC 360 Managing the Learning Environment 3

EDUC 405 Educational Psychology 2

ENGL 382 Adolescent Literature 3

PSYC 353 Adolescent Psychology 3

### Students will select 2-3 credits from the following:

SEED 370 Reading in the Content Areas 3

EDUC 305 Philosophy and Curriculum of Middle School 2

ELED 281 Reading for the Elementary Teacher 3

MATH 277 Mathematics for Elementary Teachers I 3

**Total Credit Hours: 25-26**

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog. A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

## REQUIREMENTS

### Pre-Professional Courses

EDUC 250 Introduction to Education with Field Experience 4

PSYC 353 Adolescent Psychology 3

### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 366 Learning and Literacy in the Secondary School 4

SEED 398B Secondary Methods Block Field Experience I 1

SEED 398C Secondary Methods Block Field Experience II 1

### Professional Courses in Disciplinary Methods Block (must be taken concurrently):

SEED 398C Secondary Methods Block Field Experience II 1

SEED 398B Secondary Methods Block Field Experience I 1

### Disciplinary Courses

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) from this list (and must check with an advisor in that department to determine additional requirements particular to the discipline):

EDUC 390E Health Education Methods 2

EDUC 390P Methods of Teaching K-12 Physical Education 3

SEED 390M Secondary Instrumental Music Methods 3

SEED 390X Teaching Secondary School Mathematics 3

SEED 490A Art Methods for K-12 Education 4

SEED 490B Methods in Business Education 3

SEED 490C Computer Science Education Methods 3

SEED 490D Methods of Teaching Social Science 3

SEED 490H Laboratory and Teaching Techniques of Spanish 2

SEED 490K Methods of Teaching Secondary Communication 3

SEED 490L	Methods of Teaching Secondary Language Arts	3
SEED 490M	Secondary Choral Music Methods	3
SEED 490S	Secondary Education Science Methods	3

**Disciplinary course for Technology Education must be completed collaboratively through Valley City State University:**

TECH 411	Curriculum and Methods	2
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**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498	Teaching in the Secondary School	13
		<b>Subtotal: 41</b>

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 41-49**

## **BACHELOR OF SCIENCE IN EDUCATION DEGREE - TECHNOLOGY EDUCATION**

**Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses  
Secondary Professional Education Courses

**Degree available DSUlive**

The Bachelor of Science in Education degree with a major in Technology Education is a collaborative program with Valley City State University. Dickinson State University provides the General Education and secondary professional education coursework, and Valley City State University provides the Technology Education major coursework in an online format. Students completing the program will be graduates of Dickinson State University.

The Valley City State University Technology Education course descriptions are available from the Valley City State University website ([www.vcsu.edu](http://www.vcsu.edu)).

### **Technology Education Major Courses**

The Bachelor of Science in Education degree with a major in Technology Education includes courses in General Education, professional education (secondary professional education course sequence), the major field (listed below), and the minor field to total a minimum of 128 semester hours. In addition to the Student Learning Outcomes for the Teacher Education Program, Student Learning Outcomes for the Technology Major program are listed below.

### **Student Learning Outcomes for Technology Education**

1. Methodology – Students will develop knowledge necessary for program development, implementation, evaluation, and assessment of student learning. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
2. Content – Students will acquire knowledge and skills necessary to demonstrate competence in technological literacy. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
3. Application – Students will demonstrate competency in technology education content and apply this knowledge in real-world experiences. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)

## **REQUIREMENTS**

**Technology Education Major Courses:**

Courses are delivered online through Valley City State University. Labs are conducted face-to-face in a local secondary school's technology classrooms by special arrangement on selected weekends and evenings.

STEM ED 306	Inventions and Innovations - Technology Education for Children	2
STEM ED 306L	Inventions and Innovations - Technology Education for Children Lab	1
STEM ED 310	Design, Technology, and Engineering for Elementary	2
STEM ED 310L	Design, Technology, and Engineering for Elementary Lab	1
STEM ED 331	Innovation and Engineering Design	2
STEM ED 331L	Innovation and Engineering Design Lab I	1
STEM ED 342	Building Math	3
STEM ED 411	STEM Curriculum and Methods	3
STEM ED 431	Design for Engineering	2
STEM ED 431L	Design for Engineering Lab	1
STEM ED 450	Engineering the Future	3
TECH 256	Resources for Technology	2
TECH 256L	Resources for Technology Lab	1
TECH 330	Exploring Technology	2
TECH 330L	Exploring Technology Lab	1
TECH 371	Technology Systems	2

TECH 371L	Technology Systems Lab	1
TECH 416	Innovations in Technology	2
TECH 416L	Innovations in Technology Lab	1

Courses in Business, Computer Information System, Computer Science, Mathematics, Science, Instructional Technology, or Elementary Education may be included with approval of the advisor.

**Select six credits from the following:**

STEM ED 355	STEM Curriculum and Elementary Methods	3
TECH 300	3D Modeling and Design	2
TECH 300L	3D Modeling and Design Lab	1
TECH 391	Foundations of Technology	2
TECH 391L	Foundations of Technology Lab	1
TECH 394	Independent Study	1-3
TECH 456	Intelligent Machines	2
TECH 456L	Intelligent Machines Lab	1
TECH 478	Technology Assessment	2
TECH 478L	Technology Assessment Lab	1
TECH 495	Senior Problems	1-3
<b>Subtotal: 39</b>		

## SECONDARY PROFESSIONAL EDUCATION SEQUENCE

The Bachelor of Science in Education degree with a major in an approved secondary teaching subject includes courses in General Education, professional education, the major field, and the minor field to total a minimum of 120 semester hours. Specific requirements for the majors and minors are shown under the appropriate departments in the catalog.

A grade of "C" or better is required in all professional education courses graded on an "A" through "F" letter basis, and a grade of "S" is required in all professional education courses graded on an "S/U" letter basis.

**Pre-Professional Courses**

EDUC 250	Introduction to Education with Field Experience	4
PSYC 353	Adolescent Psychology	3

**Professional Courses in Secondary Methods Block (must be taken concurrently):**

SEED 366	Learning and Literacy in the Secondary School	4
SEED 398B	Secondary Methods Block Field Experience I	1
	Or	
SEED 398C	Secondary Methods Block Field Experience II	1

**Professional Courses in Disciplinary Methods Block (must be taken concurrently):**

SEED 398C	Secondary Methods Block Field Experience II	1
	Or	
SEED 398B	Secondary Methods Block Field Experience I	1

## Disciplinary Courses

In addition to the professional courses in the secondary methods block, each discipline requires its own methods course to teach pedagogical techniques particular to that discipline. As a co-requisite of SEED 398B or SEED 398C, each student with a major or minor in a secondary education discipline is required to take the appropriate methods course(s) (and must check with an advisor in that department to determine additional requirements particular to the discipline).

**Disciplinary course for Technology Education must be completed collaboratively through Valley City State University:**

TECH 411	Curriculum and Methods	2
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**Additional Professional Courses:**

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity with Field Experience	3
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology	2
EDUC 406	Instructional Design, Technology and Assessment	3

EDUC 280 and EDUC 300 and EDUC 398D must be taken in the same semester

EDUC 406 must be taken the first semester the student has been admitted into the teacher education program.

**Student Teaching Semester**

SEED 498	Teaching in the Secondary School	13
<b>Subtotal: 41</b>		

All professional courses have a prerequisite of admission to Teacher Education.

**Professional Course Electives**

EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
SEED 370	Reading in the Content Areas	3
<b>Subtotal: 41-49</b>		

EDUC 350 is taken the semester prior to student-teaching.

EDUC 305, EDUC 310, SEED 370 are required courses for the Middle School pedagogical endorsement.

**Total Credit Hours: 80-88**

## TECHNOLOGY EDUCATION MINOR

The minor in Technology Education is a collaborative program with Valley City State University. Dickinson State University provides the General Education, secondary professional education, and subject area major coursework, and Valley City State University provides the Technology Education minor coursework in an online format. Students completing the minor and other degree requirements will be graduates of Dickinson State University.

Courses are delivered online through Valley City State University. Labs are conducted face-to-face in a local secondary school's technology classrooms by special arrangement on selected weekends and evenings.

### REQUIREMENTS

#### Courses

TECH 256	Resources for Technology	2
TECH 256L	Resources for Technology Lab	1
STEM ED 306	Inventions and Innovations - Technology Education for Children	2
STEM ED 306L	Inventions and Innovations - Technology Education for Children Lab	1
TECH 330	Exploring Technology	2
TECH 330L	Exploring Technology Lab	1
STEM ED 331	Innovation and Engineering Design	2
STEM ED 331L	Innovation and Engineering Design Lab I	1
STEM ED 411	STEM Curriculum and Methods	3
STEM ED 431	Design for Engineering	2
STEM ED 431	Design for Engineering	2
STEM ED 450	Engineering the Future	3

#### Select three credits from the following:

STEM ED 310	Design, Technology, and Engineering for Elementary	2
STEM ED 310L	Design, Technology, and Engineering for Elementary Lab	1
STEM ED 342	Building Math	3
STEM ED 355	STEM Curriculum and Elementary Methods	3
TECH 300	3D Modeling and Design	2
TECH 300L	3D Modeling and Design Lab	1
TECH 371	Technology Systems	2
TECH 371L	Technology Systems Lab	1
TECH 391	Foundations of Technology	2
TECH 391L	Foundations of Technology Lab	1
TECH 394	Independent Study	1-3
TECH 416	Innovations in Technology	2
TECH 416L	Innovations in Technology Lab	1
TECH 456	Intelligent Machines	2
TECH 456L	Intelligent Machines Lab	1
TECH 478	Technology Assessment	2
TECH 478L	Technology Assessment Lab	1
TECH 495	Senior Problems	1-3

**Total Credit Hours: 24**

Courses in Business, Computer Information Systems, Computer Science, Mathematics, Science, Instructional Technology, or Elementary Education may be included with approval of the advisor.

# GRADUATE SCHOOL

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## GRADUATE STUDIES

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Dickinson State University invites application for admission to Graduate Studies from individuals holding baccalaureate degrees from a regionally accredited institution in the United States or with equivalent preparation acquired in another country.

Graduate Courses: Dickinson State University courses numbered 501 and above may be taken for graduate credit. Derived from the U.S. Department of Education regulations, the definition of a credit hour is based on direct faculty instruction - contact hours, plus independent (out-of-class) work. While variability among and between courses is anticipated, in general, graduate-level students are expected to spend 3-4 hours outside of class for each hour spent in class. That said, historically and philosophically the emphasis in graduate education has been and is predicated on subject-matter mastery—meaning that, to a degree, the appropriate amount of time (hours) spent by a student out-of-class is determined by the student's ability to demonstrate mastery to the satisfaction of the professor.

Graduate Course Content Criteria: The following criteria (derived based on a review of graduate program best-practice exemplars) are put forth to provide guidance to graduate-level course preparation and delivery.

Course content should be intellectually challenging to graduate students.

Graduate-level subject matter should emphasize the literature of the discipline(s) and/or be drawn from relevant research and scholarly activity.

Graduate courses should build on previous discipline-specific knowledge, skills, abilities and experiences.

## GRADUATE POLICIES AND PROCEDURES

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The following academic policies guide decision-making of the Graduate Council. These policies establish minimum standards and qualifications, which program requirements may exceed. The Graduate Council will review and make recommendations for modification in these policies when appropriate.

### Graduate Faculty

Graduate Faculty includes faculty or staff with full graduate status (voting), the Director of Graduate Studies (voting), faculty holding associate graduate faculty status (voting), and the Provost/Vice President for Academic Affairs (non-voting).

The Director of Graduate Studies will schedule meetings at least once fall and spring semester and/or as needed, and distribute the agenda one week prior to any meeting. All members may recommend items for the agenda and participate in discussion. Voting members shall make decisions. The members in attendance at the meeting shall constitute a quorum. A simple majority vote of those in attendance is necessary for action on a motion.

The unit Graduate Studies Council represents Graduate Faculty members.

### The Graduate Council

#### a. Duties

The graduate council derives its powers from the Constitution of the Dickinson State University Faculty Senate. Policies of the Faculty Senate Constitution and Graduate Council regulate all matters affecting graduate education. The Graduate Council is the graduate unit policymaking body. The purpose of Graduate Council is to promote graduate education at DSU. To this end, the Graduate Council will:

1. recommend addition or termination of courses and program concentrations,
2. determine standards and policies for selection and evaluation of graduate faculty and graduate instruction
3. determine standards and policies for selection, retention, and graduation of graduate students
4. act upon appeal by petition of graduate standards and policies by faculty and students
5. and assure uniform application of the standards and polices.

#### b. Membership:

The Graduate Council shall include the following voting (full) graduate faculty members: two faculty from each department/school that houses graduate degrees, two at large, and the Director of Graduate Studies. The Director of Graduate Studies will serve as the chairperson of the Graduate Studies Council.

The Faculty Senate will select members of the Graduate Council. Members will be selected every two years, with staggering terms for the representatives from the department/schools that house graduate degrees and the two at-large positions. In the event that a member cannot complete a term, the regular process of appointment or nomination and election shall serve to replace that person. Members may serve multiple consecutive terms.

### Graduate Faculty Status

Graduate faculty status recognizes a faculty member's teaching and research qualifications that enable him or her to conduct graduate level instruction and to supervise and direct graduate student research and scholarship. The expectation is that graduate faculty members shall contribute to the advancement of knowledge, the practice of teaching, and service to the institution and discipline. There are two levels of graduate faculty status: Full and Associate.

Full graduate faculty status may be granted to full-time tenured and tenure-track faculty or academic staff members holding a doctoral degree, or another degree nationally recognized as the terminal degree in that discipline. In addition to academic preparation, faculty holding full graduate faculty status shall demonstrate a record of ongoing scholarly activity. Full members of the graduate faculty may teach graduate courses in their areas of specialization, be assigned as advisors to graduate students, serve on graduate and student committees, chair student capstone committees, and participate as voting members of the graduate faculty.

Associate graduate faculty status may be granted:

1. to adjunct faculty who meet the academic qualifications required for Full status,
2. to administrators or staff with appropriate academic qualifications as required for Full status,
3. to faculty who hold a masters or a specialist degree from a nationally recognized program in a subject area that would qualify him/her to teach selected courses in that subject at the graduate level. Such special expertise shall be documented and accompanied by a letter of support from the unit administrator.

Associate members of the graduate faculty may include adjunct instructors. Associate members of the graduate faculty may teach graduate courses in their degree or specialized areas of expertise, advise graduate students, serve on student committees, and participate as non-voting members of the graduate faculty. Associate members who chair student committees must have another committee member with Full status who agrees to serve as administrative co-chair.

#### **Approval, Evaluation, and Continuation in Status**

Approval procedures for Full and Associate graduate faculty includes:

1. The faculty, staff, or unit administrator completes the Recommendation for Appointment to Graduate Faculty form.
2. The form shall be submitted through, and must be approved by, the administrator(s) of the unit involved. Additional materials for Associate members should be included.
3. The Chair of the Graduate Council, acting for the Graduate Council and in accordance with the regulations promulgated by that body, must also approve the application.
4. Associate graduate faculty will be reappointed yearly, based on recommendation from the faculty's unit administrator(s).
5. The Director of Graduate Studies will notify the faculty member, Chair/Dean, and Provost/VPAA of the Council's action.

Graduate faculty are evaluated through the campus process required of all faculty. Faculty evaluation is the responsibility of the faculty member's unit administrator. This administrator recommends initial appointment to graduate faculty status and monitors continued faculty adherence to the criteria. The department chair of the academic unit will review faculty following the annual evaluation procedures, and will submit to the Director of Graduate Studies a recommendation for continuance or discontinuance of full graduate faculty status. Course evaluation is the responsibility of the Director of Graduate Studies and will be conducted for all courses.

Faculty members may appeal decisions on their status through the process described in the Faculty Handbook II-30 Faculty Personnel Policies and Procedures and ND State Board of Higher Education (SBHE) policies found in the Faculty Handbook, Appendix 11-E.2a.

#### **Program and Course Adoption, Assessment, Revision, Termination**

Continuous updating of graduate curricula is essential to maintaining a high-quality program. The curricular modification process from academic division/school, graduate council, curriculum committee, faculty senate, and if necessary, SBHE, ESPB, CAEP, IACBE, and HLC will be followed.

#### **Program Adoption**

Structured curriculum, which results in new options, certificates, concentrations, or degrees, is subject to review and approval. The academic unit sponsoring the program prepares a Program Request addressing objectives, relation to unit and university mission, population served, admission requirements, course requirements, impact on degree programs, and start date. If the program involves courses from two or more departments, all academic units involved must receive notification of the request.

The Director of Graduate Studies presents the program request to the Graduate Council, which may seek additional or related information if helpful for its review. If approved by the Graduate Council, the program request will follow DSU curriculum change procedures and policies. If a program requires approval of external organizations, the academic unit and the Director of Graduate Studies will prepare and submit necessary materials.

#### **Course and Program Revision**

Faculty will continuously assess content, structure, and continued viability of the courses offered in the program, and make changes as the field necessitates. The assessment may lead to revision, or termination of a course, program part, or program. Initiation of action may be by graduate faculty, division chair/dean or the Office of Graduate Studies. The Director of Graduate Studies will refer revisions to the Graduate Council. Curricular changes will follow DSU curriculum change procedures and policies.

**Course Numbering:**

501-599 are reserved for master's level course work and enrollment is restricted to graduate students.

**Course Grades**

- A - Excellent, 4 honor points per credit hour
- B - Above average, 3 honor points per credit hour
- C - Average, 2 honor points per credit hour
- D - Below average, 1 honor point per credit hour
- F - Failing, 0 honor point per credit hour, grade/course not acceptable toward graduation
- I - Incomplete, not computed into grade point average until final grade awarded
- W - No grade, student withdrew
- S - Successfully completed
- U - Unsuccessful attempt
- AU - Audit

**Course Credit**

Course credit is credit granted toward meeting prerequisite or required program course requirements for courses successfully completed at DSU.

Transfer course credit is credit toward meeting prerequisite or required program course requirements for courses taken at another regionally accredited institution. A maximum of nine (9) semester hours may be utilized for completion of program requirements.

**Admission Requirements****Required Procedures for Degree Seeking Applicants**

The following must be submitted by degree seeking applicant:

1. Completed application.
2. Applicants must pay the \$35.00 application processing fee. The fee may be paid in-person or online.
3. Official transcripts from all institutions attended. One transcript must show the applicant was awarded a baccalaureate degree from a regionally accredited institution. Official transcripts (transcripts having an appropriate seal or stamp) showing that student was awarded a baccalaureate degree must be received by the Office of Admissions before the application is considered complete. Official records of all graduate work must be received by the Office of Admissions to be considered for credit towards an MAT, MAEL, or ME degree.
4. A written statement of purpose in light of applicant's philosophy including a description of applicant's preparation and interest in the field of education, athletic educational leadership or entrepreneurship.

**Additional Admission Requirements for the Master of Entrepreneurship Program**

1. Applicants must submit two letters of reference in support of their admission to the program. Reference letters should be from prior academic advisors, faculty, professional colleagues, or supervisors who can attest to the individual's ability to succeed within a rigorous academic environment.

2. Applicants are required to complete the SoBE ME Peregrine Entrance Examination. To ensure student success within the ME program, students that do not meet the baseline score will be required to complete academic leveling courses in the four fundamental content areas of accounting, finance, management, and marketing. Academic leveling courses are abbreviated, intensive study, on average one week in length per course, in the content area and can be completed feasibly before full admission is granted.

**Minimum Qualifications for Degree Seeking Admission Status**

1. A regionally accredited institution must grant the bachelor degree.
2. Degree seeking applicants must have an overall undergraduate GPA of at least 3.0 on a 4.0 scale to attain full standing in the program. Applicants whose last degree completed is a graduate degree may be admitted in full standing if the final GPA of that degree is at least 3.0 or equivalent. If applicants have taken any graduate course, the graduate GPA must be at least 3.0 (See also provisional admission criteria below).
3. The applicant must have adequate preparation in the field relevant to the degree being sought and must show potential to undertake advanced study and research as evidenced by academic performance and experience.
4. International students must meet the admission requirements for International students listed below.

**Required Procedures for Non-Degree Seeking Applicants**

Non-degree seeking applicants must submit the following:

1. Completed application.
2. Applicants must pay the \$35.00 application processing fee. The fee may be paid in-person or online.
3. No more than nine (9) credits taken under the non-degree status with a grade of B or higher can be transferred to any official program of study should there be, at any future date, a decision to change status to be a degree-seeking student.
4. Non-Degree admission requires a minimum 2.50 grade point average (GPA) on a 4.00 scale. The method of calculating an Admission GPA is based on the last 60+/- semester undergraduate credits (90+/- quarter credits), using complete semesters (quarters). Applicants with a GPA below 2.50 may be admitted based on documented potential.



### Minimum Qualifications for Non-Degree Seeking Admission Status

1. Non-degree applicants must have a bachelor degree granted by a regionally accredited institution.
2. Applicants must have adequate preparation in the field relevant to the degree being sought. In courses with limited enrollment, preference will be given to degree-seeking students.

### International Student Admission

In addition to all other required admission materials, the following must also be completed:

1. Official academic transcript certifying a four-year baccalaureate degree from an accredited college or university
  - All international credentials must be officially translated into English
  - All academic credentials must be either original records or certified copies of original records. Non-certified photocopies are not acceptable
  - DSU requires students seeking to have credits transfer use an independent evaluation from a NACES approved agency. NACES members are listed at [www.naces.org/members.htm](http://www.naces.org/members.htm).
2. Demonstrate Proficiency in the English Language by submitting one of the following:
  - (IBT) TOEFL score of 71 or higher (DSU accepts electronic versions of TOEFL directly from the company). Dickinson State University school code – 6477.
  - IELTS score of 6.0 or higher (Dickinson State University accepts electronic versions of IELTS directly from the company).
  - Pearson Test of English (PTE-A) score of 50 or higher
  - Michigan English Assessment Battery (MELAB) score of 55 or higher
  - SAT Writing sub-score of 430 or higher if taken before February 2016 or sub-score of 25 on Writing and Language Test if taken after February 2016. The SAT test format changed, nationally, in February 2016, which is why two different scores are provided. For the 2016-2017 academic year, test score from the old or new version of the SAT will be accepted.
  - Or any other acceptable demonstration of English proficiency approved by North Dakota University System Procedure 402.9.

If the international student has graduated from an accredited U.S. institution with a four-year baccalaureate degree, the Director of Graduate Studies, in partnership with the department, may waive the demonstration of proficiency in the English language as described above. Canadian students follow the Admission Requirements for resident degree seeking students and have an official transcript in English sent to DSU directly from the university attended.

**Applicants denied admission may appeal by petition (see policy herein Due Process below).**

### Student Admission Categories

#### Process

The decision of admission to graduate student status at DSU is made by the Director of Graduate Studies in consultation with the program faculty. Application for admission should be made to the DSU Office of Admissions. The denial appeal process for the Master of Arts in Teaching program is described in the undergraduate handbook for Teacher Education. Applicants who are denied admission to the Master of Entrepreneurship may appeal to the Chair of the School of Business and Entrepreneurship in writing within 30 days of receiving this notice. Applicants who are denied admission to Athletic Educational Leadership track may appeal to the Chair of the Department of Health and Physical Education in writing within 30 days of receiving this notice.

The student may be admitted under one of the following admission categories:

#### Full Admission

After the required official documents have been received, evaluated, and a determination that the applicant has met all admission requirements had been made, this status will be granted by the Director of Graduate Studies.

Faculty make recommendations on all applications, and the final admission decision is the responsibility of the Director of Graduate Studies.

Full Admission may be granted only to degree seeking students.

#### Provisional Admission

1. Students are admitted with provisional status when all requirements for admission are not met, or their GPA is below 3.0 but other materials show potential. Applicants with a GPA below 3.0 must submit scores from at least one examination such as the Graduate Record Examinations (GRE), the Miller Analogies Test (MAT), Praxis I: Core Academic Skills for Educators (combined test - Master of Arts in Teaching) or National Teaching Board for Professional Standards (Master of Arts in Teaching). Scores will be used to assess students' previous educational achievement levels and/or to evaluate their potential for meeting the demands of coursework at the graduate level. For the AEL track, a letter of recommendation is required.

- The department faculty may make a recommendation to the Director of Graduate Studies for Provisional Admission. This recommendation must be accompanied by two letters of reference in support of student admission to the program and must include specific standards of performance that must be satisfied for change to full graduate status. Students admitted under Provisional status may not earn more than nine (9) semester hours of graduate credit in this status.

Students with full admission will be assigned provisional status if their cumulative grade point average drops below 3.0 after completing nine (9) semester hours.

### Deny

Applicants who do not meet the standards for full or provisional admission will receive a denial of admission letter. Denied applicants can appeal the decision. Appeals should be submitted to the Office of Admissions and include written rationale for the appeal and additional information not considered in the original application. The appeal will be considered by the academic department and a written response will be sent.

### Non-Degree Admission

Individuals who desire to pursue study beyond the baccalaureate degree for professional growth and improvement of skills but not to work toward an advanced degree objective may be admitted as non-degree graduate students under the following conditions:

Non-degree seeking applicants must submit the following:

- Completed application.
- The applicant must hold a bachelor degree from a regionally accredited institution
- Applicants must pay the \$35.00 application processing fee. The fee may be paid in-person or online.
- Students must have the prerequisite courses or background/experience necessary for the course or courses in which they desire to enroll. This may require consultation and approval from course instructors
- The applicant must be approved by the Director of Graduate Studies.

Students in this category are advised by the Director of Graduate Studies or their designee. Courses taken under the non-degree status do not guarantee admission into a graduate program. No more than nine (9) credits from courses numbered 501-599 may be taken under the non-degree status. Professional development graduate courses (numbered 2000) are not eligible for graduate degree programs, may be taken without formal admission to DSU, and are not limited to nine (9) credits.

Students enrolled with non-degree status may subsequently desire to be considered for admission to Graduate Studies to pursue an advanced degree.

Such a change in status may be accomplished for a subsequent term by submitting a new application to the Office of Admissions as a degree-seeking student and completion of all other requirements. No more than nine (9) credits earned in the non-degree status may be used to fulfill graduate degree requirements if approved by graduate faculty, the Chair/Dean, and the Director of Graduate Studies.

### Accelerated Bachelor's/Master's (ABM) 4+1 degree program

The Accelerated Bachelor's/Master's (ABM) degree program allows exceptional undergraduate students at DSU an opportunity to complete the requirements for both the bachelor's and master's degrees at an accelerated pace. These students may double count up to 12 graduate-level credits and obtain a master's degree within 12 months of completing the bachelor's degree.

This degree program, therefore, provides an opportunity for the Dickinson State University to recruit high achieving undergraduates in their major and high achieving high school students to their graduate programs. The degree program may thus be advertised and used as a recruiting tool for prospective undergraduate students. High achieving high school students are identified as students who have a GPA of at least 3.0/4.0 and an ACT score of 22 or higher. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

### Creating an Accelerated Bachelor's/Master's Program: Two Models

There are two options for creating ABM programs. The first option is a disciplinary model in which a bachelor's program and a master's program in the same department/school or in departments/schools of closely related disciplines establish an ABM degree. For the disciplinary model, all applicable curricular approval procedures for catalog placement must be followed for any curriculum proposals that are related to the establishment of an ABM degree.

The other option is to design a specialized plan between the student, the undergraduate department/school, and the graduate department/school for those cases in which a student is in a department/school that has not established a formal ABM program or is in a department/school in one discipline and wants to take a master's degree in a different discipline. For this option, an ABM arrangement must be made between the student and the Chair of the undergraduate program, prior to and as part of the application process.

**NOTE:** The 4+1 ABM program is only available to students in departments/programs that have chosen to participate and create a 4+1 option. Students interested in a cross-department ABM must first speak to, and request approval from the Chair of their undergraduate program. The decision whether to approve a student's request is entirely that of the Director of Graduate Studies with the support of the Chair.

### **Admission to an ABM Program: Student eligibility requirements**

**NOTE:** High achieving high school students successfully recruited to the 4+1 ABM program will be in an "identified" status within their undergraduate programs, and should be assigned an advisor familiar with the ABM program in their freshman year. Provided that the student maintains the necessary minimum GPA, the student's formal admission to the 4+1 ABM program will follow the process outlined below.

Students must meet all graduate admissions eligibility requirements. Students will not be required to prove English Language Proficiency a second time.

Students must have completed a minimum of 60 credits, including credits earned from advanced placement and dual credit. Students must apply before completion of the undergraduate degree.

Transfer students with a minimum of 60 credits-whether from the transfer institution alone or in combination with DSU credits-and a minimum cumulative GPA of 3.0/4.0.

Students must have a minimum cumulative grade point average (GPA) of

- 3.0/4.0 at DSU at the time of admission into the ABM degree program
- Individual departments may impose stricter minimum admission requirements

### **Accelerated Bachelor's/Master's Application:**

A prospective student that meets the eligibility requirements above should schedule a meeting with his/her Chair to develop a plan of work for his/her bachelor's and master's degree programs.

A Program of Study, signed by the applicant, the Chair, and Director of Graduate Studies, must be submitted. If the student is in a specialized plan, the signature of the undergraduate advisor and undergraduate department chair are also required.

A Program of Study, signed by the applicant, the Chair, and Director of Graduate Studies, must be submitted. If the student is in a specialized plan, the signature of the undergraduate disciplinary advisor and undergraduate department chair are also required.

The Program of Study must clearly indicate:

- o The courses (a maximum of 12 graduate credits) that will be double counted for both bachelor's and master's degrees. These courses will be taken prior to completing the bachelor's degree.
- o The courses that will be taken after being accepted into the graduate program. These courses will be taken after completing the bachelor's degree.
- o The graduation date for the master's degree that meets the time limit for the ABM program.

After review of the materials submitted by the Department Chair, a letter of acceptance (or denial) to the master's program, contingent upon meeting the ABM requirements, is issued.

Applications accepted for admission to the Graduate Program will not be matriculated until completion of the bachelor's degree.

### **Requirements for Completion of the Accelerated Bachelor's/Master's Degree Program:**

Students must complete the bachelor's degree prior to entering the master's program. Students in the ABM may not elect to bypass the bachelor's degree.

Students must maintain a cumulative GPA of 3.0/4.0 at DSU to remain eligible for the ABM degree program.

Students must maintain a cumulative GPA of 3.0/4.0 or better in the double counted graduate level courses.

Individual departments may impose stricter minimum GPA requirements.

No more than twelve (12) credits of graduate work may be counted toward the requirements of both degrees.

For a 4+1 program, students must complete the master's degree within 12 months from the completion of the bachelor's.

### **Continuing Eligibility for Accelerated Bachelor's/Master's Degree Programs:**

If a student completes the bachelor's degree requirements with a cumulative GPA of less than 3.0/4.0, then he/she needs program approval to continue to pursue the ABM degree program.

If a student becomes ineligible to participate in the ABM degree program, the Chair of the Program must inform the student in writing of his/her ineligibility.

A student who is ineligible to participate in (or withdraws from) the ABM program, cannot double count any courses. The courses that were identified as double counted will remain on the undergraduate transcript only.

### **Exceptions to the Accelerated Bachelor's/ Master's Degree Program Time Limits:**

For those programs with a 4+1 structure, the Chair may grant exception to the above time limits. Requests may be submitted formally and should explain the extenuating circumstances and provide a reasonable timeline for completing the work within the limits of the extension.

### **Registration**

A student shall be permitted to register for graduate study only after formal admission.

The student is responsible for adhering to all dates established by the Registrar, such as adding courses, dropping courses, paying tuition and fees, and withdrawing from course(s).

It is the student's responsibility to inform the Registrar, Director of Graduate Studies, and advisor of any changes in student information or intentions.

Students enrolled in at least nine (9) graduate credit hours in fall, spring, or summer terms are classified as full-time students. Part-time is considered anything less than stated previously. Students enrolled in five (5) graduate credit hours in fall, spring, or summer terms are classified as half-time students.

Program concentrations may set minimum course credit requirements for their graduate students so as to maintain academic standards and expected progress toward degree requirements.

**Academic Standards: Credit, Continuous Enrollment, Leave of Absence, Reinstatement, Grades, Degree, Graduation**

Once admitted the student is expected to maintain a high level of academic achievement and a strong continuous connection to his/her advisor, other students, and the program of study. The following policies support this goal. Any deviation must be appealed by a petition submitted to the Director of Graduate Studies.

**Credit**

The maximum per semester credit for a graduate student is 9 semester hours for fall and spring, and 7 credits for summer terms. Minimum per semester credit required is one semester hour.

Once admitted, students may request a substitution for transfer of graduate credit earned at another regionally accredited institution. The course work must conform to the time limits and grade expectations for course work counted toward the degree at DSU. The substitution form is submitted to the advisor and Director of Graduate Studies who will process the request.

Credit counted toward the degree from DSU through transfer with a grade of B or better from other regionally accredited institutions may not exceed nine (9) credits required for the degree. The transfer of credit must be recommended by the student's advisor and chairperson, and approved by the Director of Graduate Studies. Transfer work is included in the calculation of cumulative grade point average.

Credit counted toward the degree from DSU must be completed within a seven (7) year time limit. The time begins with the beginning of the semester when the first course counted toward the degree is completed to the end of the semester when the last course counted toward the degree is completed.

Credit counted toward the degree from DSU must have been earned from a U.S. or Canadian institution accredited to offer graduate courses and degrees. Credits from international institutions can be transferred only if approved through the DSU prescribed process for international course transfer evaluation.

Credit counted toward the degree from DSU must be at the graduate level.

Credit counted toward the degree from DSU must not be continuing education, correspondence, workshop, or Pass/Fail Satisfactory/Unsatisfactory courses.

Credit counted toward the degree from DSU must not have been used to fulfill the requirements of a baccalaureate degree.

**Continuous Enrollment**

All enrolled students pursuing a master's degree will maintain continuous enrollment from matriculation until completion of all degree requirements. Continuous enrollment is defined as registration during each semester (fall, spring, and summer) of the academic year until the degree is attained or until status as a degree-seeking graduate student is terminated through an official University withdrawal.

With continuous enrollment, graduate students will have "active" status until the degree is conferred and have the option of continuous access to University services and resources - such as financial aid, advisor assistance, and information resources - throughout their graduate careers.

Minimum registration: Unless on approved on-leave status, a student must be enrolled in a minimum of one semester hour each semester until his/her degree is granted or the student's status as a degree seeking student is terminated.

**On-leave Status**

On-leave status is available to students who need to suspend their program of study. On-leave status is granted in cases where the student demonstrates good cause (e.g. illness, temporary departure from the University for employment, military service, family issues, financial need, personal circumstances). A graduate student may request a maximum of three academic terms of leave including summer semester during the course of study for the degree. The time spent in approved on-leave status will be included in the seven-year time limit for completing requirements of the master's degree. The Director of Graduate Studies will offer a leave of absence to eligible students.

A student with approved on-leave status is not required to pay tuition or fees or register for the one credit of continuous enrollment. On-leave status does not provide the student with University resources. Approval of the advisor, program administrator, and the Director of Graduate Studies are required.

A student who does not enroll in a minimum of one semester hour or apply for and receive on-leave status fails to maintain continuous enrollment. Failing to maintain continuous enrollment through minimum credit registration or the on-leave status will cause the student to relinquish his or her graduate standing in the University.

## Reinstatement

A student who wishes to have graduate standing reinstated will be required to file a Graduate Readmission form. Acceptance back into the graduate program is not guaranteed. The reinstatement procedures are dictated by the period of absence from enrollment.

Six semesters or less (including summer): The student completes the Returning Student Application.

More than six semesters (including summers): The student is considered a new applicant, and new supporting materials are required. The applicable standards are those in effect when the student applies for readmission. Coursework more than seven years old is not counted toward a graduate degree.

## Grades

The following letter grades, quality level and points are used to calculate grade point averages. All quarter credit hours are converted to semester hours when calculating grade point averages:

Letter	Significance	Points
A	Highest	4
B	Second	3
C	Third	2
D	Lowest	1
F	Failed	0

Graduate students must maintain an overall graduate GPA of 3.0 (ME 2.5). A student falling below this minimum after nine (9) semester hours will be placed on academic probation and assigned Provisional status.

Graduate students placed on academic probation and assigned Provisional status must raise their overall GPA to at least a 3.0 (ME 2.5) within the next nine (9) graduate credit hours taken; if not the student will be dismissed from the program/institution.

The minimum passing grade for graduate credit is a 'C'. No more than six (6) semester hours of 'C' graded credit may be applied toward the degree.

'D' graded graduate credit may not be applied toward the degree.

Any course previously taken for which the grade received was below a 'B' may be repeated once. All repeats will be recorded along with the initial attempt. If a course is repeated, the second grade is used to determine grade point average. A student who fails in the first course of sequence cannot take the following courses in that sequence until the course has been completed with a passing grade.

Continuation in the program of study may be denied at any time during the program by not maintaining the University standard of scholarship, including academic integrity, and/or continuous enrollment.

Only two (2) graduate courses, prerequisite and/or required, may be repeated to satisfy completion of the degree.

The grade of "incomplete" may be negotiated with an instructor when the student has failed to meet a specific and important requirement in the course but has in other respects done passing work for the semester. The grade of incomplete must be removed during the regular semester following the term in which it was reported. If the deficiency is not made up within the specified time, the incomplete will revert to the grade earned at the time the incomplete was negotiated. An extension on the incomplete may be requested by the faculty member.

## Degree

The graduate degree is a defined program of courses, research, or practice offered by a department, division, or multiple units that focuses on a field of study. Any deviation from the courses, research or practice must be appealed by petition through the advisor and the Director of Graduate Studies and acted on by the Graduate Council.

All graduate degrees must require a minimum of 30 semester hours of graded courses, research, or practice.

All courses, research, or practice applied toward the degree must be completed within seven (7) years. The time begins with the beginning of the semester when the first course counted toward the degree is completed to the end of the semester when the last course counted toward the degree is completed.

It is DSU's responsibility to inform active and potential students of changes to the degree requirements. Students must be given sufficient notification so as to allow them to finish their program requirements. When this is not possible substitutions must be provided.

## Graduation

Graduation requirements are as follows:

Student must apply for graduation according to the dates established by DSU.

Student must successfully complete a minimum of 30 (ME) or 33 (MAEL) or 34 (MAT) graduate semester hours in an approved plan of study to be eligible for graduation.

Student may not transfer more than nine (9) semester hours required for degree.

Student must complete the degree requirements as specified by the program.

Student must attain a minimum overall graduate grade point average of 3.0 (MAT) or 2.5 (ME) with no more than two (2) course repeats. No course may be repeated more than once.

The time elapsed from the beginning of the first course applied toward degree requirements to the degree awarded date will not exceed seven (7) years.

Students must successfully complete a final comprehensive portfolio (MAT), and other program concentration requirements.

MAT students must complete NDESPB Praxis requirements prior to the degree being conferred.

### Due Process

Faculty may appeal graduate policy decisions through the existing DSU and SBHE policy and procedures.

Applicants to a graduate academic program may appeal decisions on their admission status by petition. The petition will be obtained from the Director of Graduate Studies. The Director of Graduate Studies will process the petition with the Graduate Council and notify the applicant of the result in a timely manner.

A graduate student may appeal a graduate policy by petition. The petition will be obtained from the Director of Graduate Studies and be submitted through the advisor. The Director of Graduate Studies will process the petition with the Graduate Council and notify the petitioner of the result in a timely manner.

### Admission of Last-Semester Seniors

Seniors in residence at Dickinson State University may register for up to 9 graduate credits during the final year in which they will complete course work for a bachelor's degree at Dickinson State University. This option is reserved for outstanding seniors. This registration must be approved by the course instructor, the student's advisor, and the department chairperson. The student's total per semester course load, including both graduate and undergraduate credits, may not exceed 16 credits, or 9 credits in the case of summer school. A senior selecting this option must file the Graduate Studies application from when he/she requests permission to take a graduate-level course.

### Admission Requirements for Professional Development/Continuing Education Students - P-12 Teachers

Dickinson State University recognizes the need for P-12 teachers to improve their professional capabilities. In most cases, the courses are workshops or short courses that can be taken in a compressed time period. These types of courses are "advanced" with respect to the students who enroll but are not courses that a particular discipline offers to a student with the goal of earning an advanced degree. Therefore, professional development/continuing education courses are offered through the DSU West River Teacher Center and are treated differently from Graduate Studies courses in the following respects:

1. Students may enroll in professional development/continuing education courses without the necessity of meeting all Graduate Study admission requirements. However, they must hold a baccalaureate degree from an accredited institution at the time they enter the course or receive special permission from the Dean of the College of Education, Business, and Applied Sciences

2. The credits earned will not count toward an advanced degree, nor may they be petitioned to count at a later date.
3. There is no limit to the number of professional development/continuing education credits that a student may earn.
4. All instructors of professional development/continuing education courses must have an advanced degree.

## MASTER OF ARTS IN TEACHING

Master of Arts in Teaching provides the pedagogy and practice needed for those with content area bachelors degrees to serve as teachers in grade 5-12 (Core areas and business) and K-12 (Music and Physical Education). This program is completed in two years and culminates with a student teaching experience in K-12 schools.

### Student Learning Outcomes

The ten InTASC (Interstate Teacher Assessment and Support Consortium) standards comprise the program outcomes for the Teacher Education Program. All coursework and experiences in the program are designed to enhance candidates' proficiency in the InTASC standards, which articulate the basic competencies that should be mastered by a beginning teacher.

Graduates of the Teacher Education Program will demonstrate knowledge, skills, and dispositions in these areas:

### I. The Learner and Learning

#### InTASC Standard 1: Learner Development

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)

#### InTASC Standard 2: Learning Differences

The teacher uses understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards. (This learning outcome directly addresses Institutional Learning Outcomes I, III, V, and VI.)

#### InTASC Standard 3: Learning Environments

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes III, V, and VI.)

## II. Content Knowledge

### InTASC Standard 4: Content Knowledge

The teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) that he or she teaches and creates learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content. (This learning outcome directly addresses Institutional Learning Outcomes II, III, VI, and VII.)

### InTASC Standard 5: Application of Content

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V, VI, and VII.)

## III. Instructional Practice

### InTASC Standard 6: Assessment

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II and III.)

### InTASC Standard 7: Planning for Instruction

The teacher plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context. (This learning outcome directly addresses Institutional Learning Outcomes II, III, VI and VII.)

### InTASC Standard 8: Instructional Strategies

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V and VI.)

## IV. Professional Responsibility

### InTASC Standard 9: Professional Learning and Ethical Practice

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes IV, V, and VI.)

## InTASC Standard 10: Leadership and Collaboration

The teacher 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. (This learning outcome directly addresses Institutional Learning Outcomes IV, V, and VI.)

Students' achievement of these program outcomes is assessed with multiple measures at points throughout the program. Program assessment tools specify indicators that are related to each outcome and that are aligned with the seven Institutional Learning Outcomes for Dickinson State University.

## SAMPLE ROTATION

### YEAR ONE

#### Fall Semester, Term 2

EDUC 514	Content Area Teaching Strategies	2
EDUC 521	Curriculum Design, Delivery and Assessment	3
		<b>Subtotal: 5</b>

#### Summer Semester, Term 1

EDUC 501	Educational Foundations	3
EDUC 515	Childhood and Adolescent Psychology	3
		<b>Subtotal: 6</b>

#### Spring Semester, Term 3

EDUC 511	Cultural Diversity in a Complex World	3
EDUC 505	Exceptional Learners	3
		<b>Subtotal: 6</b>

### YEAR TWO

#### Summer Semester, Term 4

EDUC 513	Literacy in the Content Areas	2
EDUC 520	Theory and Practice of Classroom Management	3
		<b>Subtotal: 5</b>

#### Fall Semester, Term 5

EDUC 541	Integrating Technology into the Learning Environment	3
EDUC 585	Action Research	3
		<b>Subtotal: 6</b>

#### Spring Semester, Term 6

EDUC 575	Student Teaching Internship	6
EDUC 574	Capstone/Portfolio	1
		<b>Subtotal: 7</b>

**Subtotal: 35**

## MASTER OF ARTS IN TEACHING - ATHLETIC EDUCATIONAL LEADERSHIP TRACK

The graduate degree program is for individuals who have successfully completed a baccalaureate degree and wish to pursue a master's degree to advance their coaching or athletic administration career.

The Master of Exercise Science - Athletic Educational Leadership is a non-licensure track which consists of 33 credit hours. Incoming students who have taken equivalent graduate level courses can petition to substitute these for program requirements, but still must complete at least 24 hours within the program.

### Student Learning Outcomes:

1. Students will develop the educational skills required to craft and execute a sports/athletic program strategy.
2. Students will develop solutions to sports/athletic program challenges grounded by the theories, concepts, and practice of discipline.
3. Students will apply standards of legal and/or ethical behavior in program decision-making.
4. Students will develop research skills necessary to position a program to create competitive advantage.
5. Students will demonstrate professional communication appropriate to a variety of audiences.

### REQUIRED COURSES

#### Educational Foundation

EDUC 501	Educational Foundations	3
EDUC 511	Cultural Diversity in a Complex World	3
EDUC 515	Childhood and Adolescent Psychology	3
EDUC 585	Action Research	3
		<b>Subtotal: 12</b>

#### Athletic Educational Leadership Core

HPER 501	Coaching Administration & Leadership	3
HPER 502	Strength and Conditioning	3
HPER 503	Fundraising & Revenue	3
HPER 504	Sports Law & Governance	3
HPER 505	Recruiting & Media Relations	3
HPER 506	Internship Six Credits Required	1-6
		<b>Subtotal: 21</b>

**Total Credit Hours: 33**

## MASTER OF EXERCISE SCIENCE - ATHLETIC EDUCATIONAL LEADERSHIP (PENDING HLC APPROVAL)

### Athletic Educational Leadership

The Master of Exercise Science - Athletic Educational Leadership is a non-licensure program which consists of 30 credit hours. Incoming students who have taken equivalent graduate level courses can petition to substitute these for program requirements, but still must complete at least 24 hours within the program.

### Student Learning Outcomes:

1. Students will develop the educational skills required to craft and execute a sports/athletic program strategy.
2. Students will develop solutions to sports/athletic program challenges grounded by the theories, concepts, and best practices.
3. Students will apply standards of legal and/or ethical behavior in program decision-making.
4. Students will develop knowledge and skills necessary to position a program to create competitive advantage.
5. Students will demonstrate professional communication appropriate to a variety of audiences.

### REQUIRED COURSES

#### Athletic Educational Leadership

BADM 501	Accounting and Budgeting	3
EDUC 515	Childhood and Adolescent Psychology	3
HPER 501	Coaching Administration & Leadership	3
HPER 502	Strength and Conditioning	3
HPER 503	Fundraising & Revenue	3
HPER 504	Sports Law & Governance	3
HPER 505	Recruiting & Media Relations	3
HPER 506	Internship Six Credits Required	1-6
HPER 507	Cultural Diversity in Athletic Leadership	3

**Subtotal: 30**

**Total Credit Hours: 30**



## MASTERS OF EDUCATION IN ELEMENTARY EDUCATION (PENDING HLC APPROVAL)

This graduate degree has a dual focus of research and pedagogy. It's not intended as a pathway to teacher licensure, but will move in-service teachers up the salary schedule considerably, while increasing their professional knowledge and pedagogical skills as classroom teachers. It has a cognate devoted to elementary education which will set it apart from others in the United States.

### Master of Education in Elementary Education Program Outcomes

The program level learning outcomes are based on the National Board of Professional Teaching Standards (NBPTS) Five Core Propositions, which provide the foundation for the overall program design. The specific learning objectives are described and addressed in each course syllabus, based on the course's curriculum. The Five Core Propositions which form the core values of the M.Ed in Elementary Education are:

Proposition 1. Teachers are committed to students and their learning;

Proposition 2. Teachers know the subjects they teach and how to teach those subjects;

Proposition 3. Teachers are responsible for managing and monitoring student learning;

Proposition 4. Teachers think systematically about their practice and learn from experience;

Proposition 5. Teachers are members of learning communities.

Each course in the program is mapped to a core proposition with aligning artifacts or evidence. All students are required to present a capstone portfolio aligned with the NBPTS Five Core Propositions and demonstrate evidence that they have met the core values as outlined by NBPTS prior to graduation. Students are also required to complete an action research project in an elementary school environment and present their findings within the capstone portfolio. Finally, the students will complete a survey in their first semester of coursework designed to assess their standing on the Five Core Propositions, and then complete another survey after their completion of their capstone to assess their growth.

## DEGREE REQUIREMENTS

### Education Professional Core Courses

EDUC 505	Exceptional Learners	3
EDUC 511	Cultural Diversity in a Complex World	3
EDUC 515	Childhood and Adolescent Psychology	3
EDUC 521	Curriculum Design, Delivery and Assessment	3
<b>Subtotal: 12</b>		

### Elementary Education Cognate Courses

EDUC 516	Teaching Middle Grade and Children's Literature in the Elementary Classroom	3
EDUC 517	Cross-curricular Literacy in the Elementary Classroom	3
EDUC 518	Teaching and Learning in the Elementary Classroom	3
EDUC 519	Teaching Math in the Elementary Classroom	3
EDUC 531	Educational Research	3
EDUC 541	Integrating Technology into the Learning Environment	3
EDUC 574	Capstone/Portfolio	1
EDUC 585	Action Research	3
<b>Subtotal: 22</b>		

Graduate students must maintain an overall graduate GPA of 3.0, and all other graduate policies will apply. Prospective students do not need to be licensed teachers.

**Total Credit Hours: 34**

## MASTER OF BUSINESS ADMINISTRATION (PENDING HLC APPROVAL)

The Master of Business Administration (MBA) is a graduate degree that will prepare our students with skills to innovate, collaborate, and lead effectively and efficiently. The MBA degree will focus on classes in accounting, finance, ethics, management theory, organizational communication, and marketing, to name a few. This accredited degree will challenge students to become a strategic business leader.

### Student Learning Outcomes

1. Students will develop the management skills required to craft and execute business strategy.
2. Students will develop solutions to business challenges grounded by the theories, concepts, and practice of the discipline.
3. Students will apply standards of legal and/or ethical behavior in business decision-making.
4. Students will develop research skills necessary to position a company to create competitive advantage.
5. Students will demonstrate professional business communication appropriate to a variety of audiences.

## REQUIRED COURSES AND ELECTIVES:

### Business Foundation

BADM 501	Accounting and Budgeting	3
BADM 502	Business Finance	3
BADM 503	Advanced Managerial Theory	3
BADM 504	Entrepreneurial Marketing	3
<b>Subtotal: 12</b>		

**Business Core**

BADM 506	Human Capital Management	3
BADM 507	Quantitative Analysis for Business Decisions	3
ENTR 502	Ethics in Business and Entrepreneurship	3
ENTR 503	Strategic Management and Policy	3
		<b>Subtotal: 12</b>

**Electives**

Select six credit hours (two courses) from the following list of courses.

BADM 505	Research and Writing in Business	3
ENTR 505	Technology Based Entrepreneurship	3
ENTR 506	Legal Aspects of Entrepreneurship	3
ENTR 507	Public Relations for Entrepreneurs	3
ENTR 508	Social Entrepreneurship	3
ENTR 510	Special Topics in Entrepreneurship	3
		<b>Total Credit Hours: 30</b>

**MASTER OF ENTREPRENEURSHIP**

The ME program offers a rigorous immersion into the nature of entrepreneurship and the entrepreneurial process. Core content is coupled with a strong commitment to experiential learning. Students are encouraged, but not required, to start a venture while in the program. Students are also prepared for advanced positions in business that require critical and innovative thinking.

The Master of Entrepreneurship program consists of 30 credit hours. Incoming students who have taken equivalent graduate level courses can petition to substitute these for program requirements, but still must complete at least 21 hours within the program. To graduate from the ME program, students must achieve at least a 2.50 GPA and complete required coursework and electives with a grade of C or higher.

**Student Learning Outcomes**

1. Students will develop the management skills required to craft and execute business strategy.
2. Students will develop solutions to business challenges grounded by the theories, concepts, and practice of the discipline.
3. Students will apply standards of legal and/or ethical behavior in business decision-making.
4. Students will develop research skills necessary to position a company to create competitive advantage.
5. Students will demonstrate professional business communication appropriate to a variety of audiences.

**REQUIRED COURSES AND ELECTIVES:****Business Foundation**

BADM 501	Accounting and Budgeting	3
BADM 502	Business Finance	3
BADM 503	Advanced Managerial Theory	3
BADM 504	Entrepreneurial Marketing	3
		<b>Subtotal: 12</b>

**Entrepreneurial Core**

ENTR 501	Creativity and Innovation	3
ENTR 502	Ethics in Business and Entrepreneurship	3
ENTR 503	Strategic Management and Policy	3
ENTR 504	New Venture Feasibility and Design	3
		<b>Subtotal: 12</b>

**Electives**

Six credit hours (two courses) from the following list of courses offered as demanded.

BADM 505	Research and Writing in Business	3
BADM 506	Human Capital Management	3
BADM 507	Quantitative Analysis for Business Decisions	3
ENTR 505	Technology Based Entrepreneurship	3
ENTR 506	Legal Aspects of Entrepreneurship	3
ENTR 507	Public Relations for Entrepreneurs	3
ENTR 508	Social Entrepreneurship	3
ENTR 510	Special Topics in Entrepreneurship	3
		<b>Subtotal: 6</b>

**Total Credit Hours: 30**

**BUSINESS CERTIFICATE**

The School of Business and Entrepreneurship has recognized the need for a graduate certificate in Business. This certificate will prepare our students with skills to collaborate, communicate, and direct effectively and efficiently. The program will help prepare students to critically think and problem-solve in all areas of business. This accredited certificate will challenge students and sharpen their skills to gain an advantage in the workplace.

Note: To enroll in the courses below, student must meet the following requirements: Meet prerequisite requirements, or prior approval by the chair of the School of Business and Entrepreneurship.

**REQUIREMENTS**

Courses (Select 9 credits from the following):

BADM 501	Accounting and Budgeting	3
BADM 502	Business Finance	3
BADM 503	Advanced Managerial Theory	3
BADM 504	Entrepreneurial Marketing	3

Elective (Select 7 credits from the following):

BADM 501	Accounting and Budgeting	3
BADM 502	Business Finance	3
BADM 506	Human Capital Management	3
BADM 597	Business Internship, Externship, Cooperative Education	1-3
ENTR 502	Ethics in Business and Entrepreneurship	3

**Total Credit Hours: 16-18**

## **ENTREPRENEURSHIP CERTIFICATE**

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The School of Business and Entrepreneurship has recognized the need for a graduate certificate in Entrepreneurship. This certificate will prepare our students with skills to innovate, market and brand, think strategically and recognize opportunities. The program will help prepare students to formulate a business plan, develop a business model, and commercialize new ideas. This accredited certificate will challenge students to examine their need to succeed by controlling their own destiny and having the opportunity to change lives with their ideas and innovations.

Note: To enroll in the courses below, student must meet the following requirements: Meet prerequisite requirements, or prior approval by the chair of the School of Business and Entrepreneurship.

### **REQUIREMENTS**

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#### **Courses:**

ENTR 501	Creativity and Innovation	3
ENTR 503	Strategic Management and Policy	3
ENTR 504	New Venture Feasibility and Design	3

Elective (Select 7 credits from the following):

BADM 504	Entrepreneurial Marketing	3
BADM 597	Business Internship, Externship, Cooperative Education	1-3
ENTR 502	Ethics in Business and Entrepreneurship	3
ENTR 506	Legal Aspects of Entrepreneurship	3

**Total Credit Hours: 16-18**

## COURSES

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### ACCT - ACCOUNTING

#### ACCT 102 - Fundamentals of Accounting (3)

This course is designed for non-accounting and non-business majors. Coverage includes elements of financial statements and the full accounting cycle. Fall.

#### ACCT 200 - Elements Of Accounting I (3)

Basic principles of the complete accounting cycle. Fall, Spring.

#### ACCT 201 - Elements Of Accounting II (3)

Special emphasis on corporate accounting and the use of accounting information by managers. Prerequisite: ACCT 200 - Elements of Accounting I. Fall, Spring.

#### ACCT 210 - Accounting Community and Professional Development (1)

Provides the opportunity for students to learn networking skills essential for accounting majors, to use their skills in a practical setting and strengthen their relationships with the business community. Students will practically apply the concepts they are learning in their major courses to a local organization on an as needed basis. This seminar course is for a student that is enrolled as an accounting major or minor. S/U grading only. Fall, Spring.

#### ACCT 291 - Accounting Seminar (1-6)

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

#### ACCT 292 - Experimental Course (1-4)

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

#### ACCT 293 - Peer Tutoring (1-6)

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

#### ACCT 294 - Independent Study, Undergraduate Research (1-6)

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

#### ACCT 295 - Service Learning (1-6)

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

#### ACCT 296 - Study Tours (1-6)

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

#### ACCT 297 - Accounting Internship, Externship, Cooperative Education (1-6)

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. S/U grading only.

#### ACCT 299 - Special Topics, Readings (1-6)

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

#### ACCT 301 - Computerized Accounting (3)

Students learn how to use accounting software to journalize, post, print reports, print financial statements, and find and correct posting errors. Prerequisite: ACCT 200 - Elements of Accounting I. Fall, Spring.

#### ACCT 302 - Payroll Accounting (3)

In depth coverage of payroll systems and accounting. Focus on payroll calculation and recording payroll related journal entries. Emphasis on federal and state employment related requirements including but not limited to payroll tax deposits, quarterly and annual payroll tax returns, worker's compensation insurance, tax-deferred retirement accounts, and employment laws. Prerequisite: ACCT 200 - Elements of Accounting I. Spring.

#### ACCT 305 - Cost Accounting (3)

The introduction of modern cost accounting with insight and breadth regarding both the accountants' and the managers' role in an organization. Prerequisite: ACCT 201 - Elements of Accounting II. Fall, Spring.

**ACCT 310 - Government & Nonprofit Acct (3)**

Provides an overview of accounting for non-profit entities. The course focuses on the use of special funds for municipalities and state governments, colleges, and universities, hospitals and other health care entities, voluntary health and welfare organizations and other non-profit organizations. Preparation of budgets and statements will also be covered. Accounting and reporting for government and not-for-profit entities. Prerequisite: ACCT 332 - Intermediate Accounting II. Spring, Fall.

**ACCT 315 - Business Law I (3)**

Introduces the student to the legal environment and examines the law of contracts and properties. Prerequisite: Business Administration majors must complete all pre-major courses with a "C" or better, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ACCT 316 - Business Law II (3)**

Emphasis is on the Uniform Commercial Code, business associations, debtor-creditor relations, and employment law. Prerequisite: ENGL 120- College Composition II or ENGL 121H- Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**ACCT 330 - Financial Statement Analysis (3)**

An intensive study of financial accounting theory in regards to financial statements and analysis with practical applications as it relates to the preparation and the analysis of financial statements with in-depth examinations of published financial statements, intensive preparation of financial statements, and detailed ratio analysis of statements. Prerequisite: ACCT 201 - Elements of Accounting II. Fall.

**ACCT 331 - Intermediate Accounting I (4)**

An intensive study of financial accounting theory and practical applications as it relates to the preparation and analysis of financial statements, current assets, current liabilities, plant and equipment, and their related revenue and expenses. Prerequisite: ACCT 201 - Elements of Accounting II. Fall.

**ACCT 332 - Intermediate Accounting II (4)**

Special accounting application as to preparation and analysis of financial statements with emphasis on investments, liabilities, income taxes, leases, pensions, owner's equity, earnings per share, statement of cash flow, and special topics relating to accounting. Prerequisite: ACCT 331 - Intermediate Accounting I. Spring.

**ACCT 333 - Income Tax I (4)**

A detailed study of federal tax law as applied to individual tax preparation with emphasis on tax determination of gross income, itemized deductions, gains and losses, and depreciation. Prerequisite: ACCT 201 - Elements of Accounting II. Fall.

**ACCT 334 - Income Tax II (3)**

An advanced study of tax topics for corporations, partnerships, gift taxes, and estate taxes. Prerequisite: ACCT 333 - Income Tax I. Spring.

**ACCT 335 - Income Tax Preparation - VITA (1)**

IRS program providing income tax preparation services for certain individuals. As part of the class, students will demonstrate a knowledge of income taxes and prepare tax returns for students and other qualified individuals. S/U grading only. Prerequisite: ACCT 333 - Income Tax I. Spring.

**ACCT 351 - Fraud Examination (3)**

An introduction to fraud and an overview of the fraud problem. Covers fraud prevention and detection, the various elements of fraud investigation, and the various types of fraud. Prerequisite: ACCT 201 - Elements of Accounting II.

**ACCT 406 - Advanced Accounting (3)**

A study of specialized problems in accounting. The course addresses accounting for partnerships, foreign currency transactions and business combinations. Prerequisite: ACCT 332 - Intermediate Accounting II. Fall, Spring.

**ACCT 407 - Auditing I (4)**

A comprehensive course introducing the fundamental concepts of auditing including audit program design, the public accounting environment, the audit report, professional ethics, and related matters. Prerequisites: ACCT 332 - Intermediate Accounting II, ENGL 120- College Composition II or ENGL 121H- Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ACCT 408 - CPA Review - Regulation (3)**

Topics covered include advanced business law, federal taxation, ethics, professional and legal responsibilities. For the student who intends to sit for the CPA examination.

**ACCT 409 - CPA Review Financial Accounting and Reporting (3)**

Topics covered include generally accepted accounting principles for business enterprises, not-for-profit organizations and governmental entities. For the student who intends to sit for the CPA examination.

**ACCT 410 - CPA Review - Audit (3)**

Topics covered include auditing procedures and generally accepted auditing standard. For the student who intends to sit for the CPA examination.

**ACCT 411 - CPA Review - Business Environment and Concepts (3)**

Topics covered include general business concepts that are required in order to understand the underlying business reasons for accounting implications of business transactions. For the student who intends to sit for the CPA examination.

**ACCT 412 - Auditing II (3)**

Continuation of ACCT - 407 Auditing I. The comprehensive course addresses the fundamental concepts of auditing, including audit program design, the public accounting environment, the audit report, professional ethics, and related matters. Prerequisite: ACCT 407 - Auditing. Spring.

**ACCT 420 - Accounting Information Systems (3)**

Accounting Information Systems is a survey of current software used in accounting. The software covered will include software used for financial and tax research, spreadsheets and basic accounting software.

**ACCT 421 - Forensic Accounting (3)**

An introduction to Forensic Accounting concepts. Will include an overview of advanced fraud topics, business valuation, and litigation support provided by accountants. This class will focus on the services that accountants perform in the legal environment, the reporting process and professional testimony. Prerequisite: ACCT 351 - Fraud Examination.

**ACCT 491 - Accounting Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**ACCT 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ACCT 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**ACCT 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**ACCT 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**ACCT 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**ACCT 497 - Accounting Internship, Externship, Cooperative Education (1-12)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities that will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. S/U grading only. Fall, Spring.

**ACCT 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**AGEC - AGRICULTURAL ECONOMICS****AGEC 142 - Agricultural Accounting (3)**

An introduction to the preparation of farm records and financial statements for use in business analysis. Fall.

**AGEC 241 - Introduction to Agricultural Economics (3)**

Introduction to economic ways of thinking about a wide range of problems and issues in agriculture. Topics include consumption, production, prices, markets, finance, trade, population, growth, farms, taxes, and development. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Pre- or Co-Requisite: ECON 201- Principles of Microeconomics. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**AGEC 244 - Introduction to Agricultural Marketing (3)**

A study of the agricultural marketing system to include cash marketing, commodity futures trading, branded products merchandising and the interrelationships of the government and international trade. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring online.

**AGEC 246 - Introduction to Agricultural Finance (3)**

Provides background in farm and agri-business credit use and evaluation. Discussion of specific financial conditions on farms and in agri-business. Spring.

**AGEC 342 - Introduction to Agricultural Management (3)**

Economic and managerial concepts related to farm or agri-business production process development or cost data, enterprise analysis, organization, and management of production inputs. Spring.

**AGEC 375 - Applied Agricultural Law (3)**

Study of laws affecting agriculture and agri-business including property ownership, financial relations, and environmental regulation. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years. This course is offered on a contractual basis with North Dakota State University through Interactive Video Network (IVN).

**AGEC 387 - Commodity Futures and Options (3)**

Fundamental and technical aspects of the futures market including charting, trends and signals, and the use of options. Students conduct simulated trades to get a feel for hedging and speculation. Skills are developed to allow students to use futures and options in developing their personal marketing plans. Prerequisite: AGECE 244 - Introduction to Agricultural Marketing. Spring.

**AGEC 422 - Resource Economics and Environmental Protection (3)**

The primary objective of this course is to introduce the main concepts and tools of environmental and natural resource economics through lectures, discussions, and exercises. Emphasis will be on the importance of environmental and natural resource economic concepts as applied to atmosphere, water, land, and biota in reconciling economic theory and environmental policies. The course also focuses on physical geographic geologic principles and processes applied to understand selected human impacts on atmosphere water, land, and biota. Prerequisites: AGECE 241 - Introduction to Agricultural Economics. Spring.

**AGEC 442 - Advanced Farm Management (3)**

The primary objective of this course is to provide the student the opportunity to bring together knowledge obtained from previous farm management, agricultural and business courses and apply this knowledge to unique problems faced by modern farm managers. Fall, even years.

**AGEC 474 - Cooperatives (3)**

Theory, practice, and evaluation of cooperatives including principles, management, marketing, finance, taxes, legal issues, and adjusting to change. Prerequisite: ECON 201 - Principles of Microeconomics. This course is offered on a contractual basis with North Dakota State University through Interactive Video Network (IVN). Spring, odd years.

**AGRI - AGRICULTURE****AGRI 118 - Agricultural Leadership Development (1)**

Active participation in extra-curricular organizations affiliated with the Department of Agriculture and Technical Studies enhances opportunities for leadership, employment, and organizational skill development. Students will be expected to document their active participation and leadership opportunities. This documentation will become part of an overall portfolio demonstrating a progression of leadership development, a departmental learning objective. Course may be repeated up to eight times. Fall, Spring.

**AGRI 280 - Technology in Agriculture (3)**

An introduction to technology in modern agriculture including: computer and software advances, internet resources, geographical information system (GIS) and global positioning system (GPS). Computer software programs include: ration evaluation or balancing, herd management, financial managements, and ArcGIS. GPS will be introduced both in the classroom and through field exercises. Spring, even years.

**AGRI 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the university catalog, or its usage must be discontinued.

**AGRI 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**AGRI 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**AGRI 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**AGRI 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**AGRI 297 - Agricultural Management Internship; Externship; Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring, Summer.

**AGRI 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair. Course fee may be required.

**AGRI 350 - Agricultural Data Analysis and Statistics (4)**

Principles and procedures in the analysis of agricultural data including indices of central tendency and dispersion; probability; sampling; significance tests; analysis of variance; and correlation and simple linear regression. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**AGRI 391 - Junior Seminar (1)**

Junior Seminar, combined with the subsequent AGRI 394 and AGRI 491 or RNG 491, will afford the student the opportunity to "experience" the application of their technical, communication, and organizational skills in the development, investigation, reporting, and presentation of an undergraduate research/investigation project. In AGRI 391, students are expected to select a project, research existing information, design their investigation, develop a funding request and plan for data analysis. The chosen project should critically investigate an issue or problem in agriculture, natural resource management or agri-business in which the student has an intrinsic interest and/or potential career opportunity. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**AGRI 394 - Undergraduate Research (1)**

Undergraduate research, combined with AGRI 391 and AGRI 491 or RNG 491, will afford the student the opportunity to "experience" the application of their technical, communication, and organizational skills in the development, investigation, reporting, and presentation of an undergraduate research/investigation project. Students are expected to continue with their selected project (researching existing information and implementing project designs); plan for data analysis; author introduction and procedures sections and drafts of other sections of final report; and continue to seek funding, if applicable.

Pre- or co-requisite: AGRI 391 - Junior Seminar and AGRI 350 - Agricultural Data Analysis and Statistics.

Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**AGRI 491 - Agricultural Seminar (1)**

In this capstone course, students will critically analyze and propose research-based solutions to problems related to agricultural issues concerning natural resources business/marketing and/or integrated management. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II and senior standing. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with RNG 491. Spring.

**AGRI 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the university catalog, or its usage must be discontinued.

**AGRI 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**AGRI 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at the end of semester. Requires approval by department chair.

**AGRI 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**AGRI 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.



**AGRI 497 - Agricultural Management Internship; Externship; Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities that will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring, Summer.

**AGRI 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair. Course fee may be required.

**ANSC - ANIMAL SCIENCE****ANSC 114 - Introduction to Animal Science (3)**

An introduction to the recommended management and production practice for food producing animals. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ANSC 123 - Feeds and Feeding (3)**

The class objective is to clarify the principles of animal nutrition, common livestock feeds, and proper feeding of livestock. Specifically, nutrient groups and characteristics, digestive systems, animal requirements, feed analysis, common feedstuffs, ration formulation, and feeding of the different classes of beef animals will be covered extensively with additional information on equine, dairy, swine, and poultry nutrition presented. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ANSC 160 - Equine Nutrition (2)**

This class is designed to develop an understanding of the factors involved in meeting the nutritional needs of horses in various stage of development or performance. This is a practical approach to nutrition. Fall. Course fee required.

**ANSC 161 - Equine Business Management (2)**

Since the equine world is now big business, students must approach training or breeding operations as a business. Students will study the forms of business, income tax considerations, develop a business plan, insurance considerations, liability programs, records, hobby versus a business, agreements and contracts. Fall. Course fee required.

**ANSC 162 - Equine Reproduction (2)**

Students will study the reproductive tract, hormone control, the signs of heat, breeding methods, semen evaluation, and management of the breeding herd. Fall. Course fee required.

**ANSC 163 - Equine Health and Disease (2)**

Students will develop an understanding of health requirements and care of horses. Vaccination schedules, deworming and preventative measures are explored. The student will also study diseases, wound care, basic first aid, unsoundness and sources of unsoundness. Fall. Course fee required.

**ANSC 164 - Equine Behavior, Groundwork and Safety (2)**

This class includes understanding mental capacity, motivation, and reactions of horses to different training techniques. Proper restraining procedures to protect the horse and handler are explored. Imprinting training for a foal is discussed. A safety program will be designed to breeding or training operation. Fall, Spring. Course fee required.

**ANSC 220 - Livestock Production (3)**

General production and management of major meat animal species. Topics include: production systems, feeding, facilities, health economics, and marketing. Spring.

**ANSC 247 - Processing of Meat Animal Carcasses (3)**

Processing of meat animal carcasses into National Association of Meat Purveyors (NAMP) wholesale and retail cuts. Offered on demand. Course fee required.

**ANSC 260 - Introduction to Equine Studies (3)**

A review of evolution, historical roles of the horse, breeds, and the modern day western equine industry. Introduction to equine anatomy, physiology, selection, nutrition, health care, and general management. A laboratory component will reinforce lecture material and illustrate basic management and husbandry skills relevant to modern day western horse industry. Spring.

**ANSC 261 - Basic Equitation and Horsemanship (2)**

Grooming, saddling, bridling, mounting, balanced seat, and proper coordination of the riding aids will be addressed. Two, two-hour laboratories. Enrollment priority will be given to equine option and equine minor students. Spring. Course fee required.

**ANSC 262 - Equine Anatomy and Selection (2)**

Students will study the parts and functions of different systems of the horse. This is not a veterinary anatomy class. It is designed to give the layperson a good understanding of form to function selection. Spring. Course fee required.

**ANSC 263 - Stallion Management (2)**

This course will cover selection, promotion, semen evaluation, insurance, handling and care. Spring. Course fee required.

**ANSC 264 - AI Training (1)**

Demonstration and utilization of the latest technology in large animal reproductive management. Technical training including AI certification, pregnancy diagnosis and estrous control. Spring.

**ANSC 265 - Equine Marketing (2)**

Students will study methods of marketing horses. Methods of marketing a breeding program will be covered, as well as preparing and marketing the individual horse. Spring. Course fee required.

**ANSC 267 - Equine Facility Management (2)**

This course covers the care of horses in a stable environment. Students will look at the duties of a stable manager and methods of managing an equine facility. Prerequisite: ANSC 164 - Equine Behavior, Groundwork and Safety. Spring. Course fee required.

**ANSC 268 - Basic Colt Training (3)**

Behavioral management and training of young horses. Fundamentals of horse behavior (e.g. natural responses to external stimuli, means of communication) and classical training principles will be applied by students in the training of assigned project colts in a supervised environment. Enrollment priority will be given to equine option and equine minor students. Prerequisites: ANSC 164 - Equine Behavior, Groundwork and Safety and ANSC 261 - Basic Equitation and Horsemanship. Fall.

**ANSC 270 - Equine Training Theory I (2)**

This course is the first in a two-part series introducing students to the fundamentals of training a horse to be soft, supple and responsive. Students will learn how riders can use their body to guide a horse and how to become part of the horse instead of just a passenger. Students will not be required to ride horses. Rather students will review videos, online lectures and reading assignment and write term papers. Students will also career shadow a local trainer and attend a local horse-related event. Prerequisite: ANSC 164 - Equine Behavior, Groundwork and Safety. Fall. Course fee required.

**ANSC 271 - Equine Training Theory II (2)**

This course is the second in a two-part series introducing students to the fundamentals of training a horse to be soft, supple and responsive in preparation for a performance event. Students will not be required to ride horses. Format of the course will be similar to ANSC 270. Prerequisite: ANSC 270 - Equine Training Theory I. Spring. Course fee required.

**ANSC 272 - Equine Training Techniques I (2)**

This course is the first in a four-part series introducing students to the fundamentals of training a horse to be soft, supple and responsive. Students learn to use the entire body to guide a horse and how to become part of the horse instead of just a passenger. Prerequisite: Student must have access to a horse and ANSC 164 - Equine Behavior, Groundwork and Safety. Spring. Course fee required.

**ANSC 273 - Equine Training Techniques II (2)**

This course is the second in a four-part series introducing students to fundamentals of training a horse to be soft, supple and responsive. Students learn to apply exercises designed to improve suppleness and softening in preparation of training for performance events. Prerequisite: Student must have access to a horse competent enough to complete exercises from ANSC 272 - Equine Training Techniques I. Fall. Course fee required.

**ANSC 274 - Equine Training Techniques III (2)**

This course is the third in a four-part series introducing students to the fundamentals of training a horse to be soft, supple and responsive in preparation for a performance event. Students will continue advanced exercises designed to increase total control of the ridden horse. Exercises will include sliding stops at a lope, speed control at a lope, rollbacks away from the fence, multiple spins, and perform a simple reining pattern. Prerequisite: ANSC 273 - Equine Training Techniques II and have access to a horse competent enough to complete exercises from ANSC 272 and ANSC 273. Fall. Course fee required.

**ANSC 275 - Equine Training Techniques IV (2)**

This course is the fourth in a four-part series introducing students to the fundamentals of training a horse to be soft, supple and responsive in preparation for a performance event. Students will continue advanced exercises designed to increase total control and make horse lighter and more responsive. Exercises will include side passing, moving hips laterally at a lope, lead changes, fast spins with multiple revolutions, faster stops and perform a more complex reining pattern. Prerequisite: ANSC 274 - Equine Training Techniques III and have access to a horse competent enough to complete exercises from ANSC 272, ANSC 273 and ANSC 274. Spring. Course fee required.

**ANSC 361 - Intermediate Horsemanship (2)**

Continuation of ANSC 261 - Basic Equitation and Horsemanship. Further emphasis will be placed on development of balanced seat and coordinated aides necessary to complete more advanced maneuvers. Two, two-hour laboratories. Enrollment priority will be given to equine option and equine minor students. Prerequisite: ANSC 261 - Basic Equitation and Horsemanship. Fall.

**ANSC 368 - Advanced Colt Training (3)**

Continuation of ANSC 268 - Basic Colt Training. Continued behavioral management and training of young horses for specific purposes. Fundamentals of horse behavior and classical training principles will be applied by students in the training of assigned project colts in a supervised environment. Enrollment priority will be given to equine option and equine minor students. Prerequisite: ANSC 268 - Basic Colt Training. Spring.

**ANSC 420 - Animal Genetics and Applied Animal Breeding (3)**

Application of genetic principles to livestock improvement. Provides an overview of the genetic basis of selection and systems of mating and applies them to the development of breeding programs based upon the principles of population genetics. Prerequisite: BIOL 111 - Concepts of Biology or BIOL 150 - General Biology I. Fall, even years (on campus), yearly (online).

**ANSC 445 - Problems in Livestock Management (3)**

Course will cover selected problems in livestock production common to class members and not covered in other animal science courses. Course may be repeated for an additional two credits. Prerequisite: ANSC 220 - Livestock Production. Fall, odd years. Course fee required.

**ANSC 463 - Physiology of Reproduction (3)**

Anatomy, physiology, and endocrinology of reproduction in mammals. Extensive oral and written communication experience. Spring, odd years. This course is offered on a contractual basis with North Dakota State University through Interactive Video Network (IVN).

**ANSC 463L - Physiology of Reproduction Laboratory (1)**

Anatomy and physiology of the reproductive tract and demonstration and utilization of techniques in large animal reproductive management. Laboratories will include demonstrations, hands-on activities, and lectures. Subjects covered will be gross and microscopic anatomy of reproductive organs, technology in large animal reproductive management procedures designed to manipulate the reproductive process, including superovulation; ova, embryo and semen collection; embryo production and transfer; gamete preservation; pregnancy diagnosis; and estrous control. Co-requisite: ANSC 463 – Physiology of Reproduction. Spring, odd years.

**ANSC 466 - Advanced Equine Nutrition (3)**

Principles of nutrition are applied to horses including digestive anatomy and physiology. Nutritional requirements of maintenance, growth, reproduction and performance and interactions between nutrition and animal health and disease will be stressed. Application of principles and requirements into practical feeding programs is expected. Prerequisites: ANSC 123 - Feeds and Feeding or ANSC 161 - Equine Nutrition. Spring.

**ANSC 470 - Applied Ruminant Nutrition (3)**

Course emphasis is on practical application of nutrition principles, animal requirements, feedstuffs, and the proper feeding of ruminants (principally beef cattle). Rations and/or series of step-up rations will be formulated with the aid of computer software for all classes of beef cattle. Some coverage of sheep and/or horses may be inserted into the curriculum dependent on student interest in these species. Spring.

**ANTH - ANTHROPOLOGY****ANTH 111 - Introduction To Anthropology (3)**

A survey of the basic theories, methods, and findings of paleontology, human prehistory, and culture.

**ART - ART****ART 110 - Introduction To The Visual Arts (3)**

Study and analysis of visual art multi-cultural history and methods. To include a survey of art history from antiquity to contemporary times in a variety of cultures. Also to include basic techniques of and practice at two-dimensional and three-dimensional design. This course will aid individuals with minimal experience in visual art to develop their potential creative abilities. Fall, Spring.

**ART 122 - Two-Dimensional Design (3)**

A basic course in the study of two-dimensional art. A variety of techniques and materials will be explored while students develop an understanding of the elements of art and principles of compositional organization. Fall, Spring.

**ART 124 - Three-Dimensional Design (3)**

A basic course in the study of three-dimensional art. A variety of techniques and materials will be explored while students develop an understanding of the principles of three-dimensional design. Spring.

**ART 130 - Drawing I (3)**

Basic instruction in freehand drawing emphasizing line, shape, value, volume, space, and perspective using a variety of art media. Emphasis will be placed upon drawing through coordination of hand and eye movements and seeing rather than looking. This course is designed to help students cultivate their potential drawing abilities or improve existing drawing proficiency. Fall, Spring.

**ART 210 - Art History I (3)**

History of painting, sculpture, and architecture from prehistoric to the Gothic era including the cross-cultural influences of early Egyptian, Mesopotamian, Greek, Roman, and Islamic arts on the development of later European arts; included are early African tribal arts, as well as early Native American and Australian aboriginal arts. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**ART 211 - Art History II (3)**

History of painting, sculpture, and architecture from the early renaissance to modernism. Includes mannerism, renaissance in northern Europe, baroque, Dutch genre and still life, enlightenment and revolutions, rococo, neoclassicism, romanticism, photography, and the beginnings of modernism. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**ART 220 - Painting I (3)**

An introduction to basic materials and techniques in oil painting with emphasis on instruction in color theory and compositional arrangement. This course is designed for students with basic experience in drawing and/or formal design. Prerequisite: ART 122 - Two-dimensional Design or ART 130 - Drawing I or consent of instructor. Fall.

**ART 225 - Water Media I (3)**

An introduction to basic materials and techniques in water color with additional instruction in color theory and compositional arrangement. Prerequisite: ART 122 - Two Dimensional Design or ART 130 - Drawing I or consent of instructor. Spring.

**ART 230 - Drawing II (3)**

A continued practice of freehand drawing techniques, based on direct observation, emphasis will be placed on expressive possibilities, with an introduction to abstraction, color usage, and an introduction to various media not experienced in ART 130 - Drawing I. Prerequisite: ART 130 - Drawing I. Spring.

**ART 250 - Ceramics I (3)**

An introductory clay course for developing functional and decorative forms, emphasizing hand building surface decoration, glazing, raku firing, and kiln management. Fall, Spring.

**ART 270 - Printmaking I (3)**

An introduction to printmaking through instruction and practice in one or more of the intaglio processes such as etching, engraving, collagraphs, and relief processes. Prerequisite: ART 122 - Two-Dimensional Design or ART 130 - Drawing I or consent of instructor. Spring, odd years.

**ART 280 - Photography I (3)**

An introductory course in basic photography providing instruction on black and white and digital color photography with an emphasis on composition and camera functions. Students will have experience with black and white processing and printing. Students must have their own 35 mm film camera and a digital camera with aperture and shutter speed controls. Prerequisite: ART 122 - Two-Dimensional Design. Fall, even years.

**ART 281 - Introduction to Digital Photography (3)**

An introductory course in digital camera use, composition, and general use. The course is designed for students who wish to understand their digital camera and improve their composition skills. Adobe Photo Elements will be used for simple editing of their images. Students need to supply their own digital camera. Spring.

**ART 291 - Art Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**ART 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ART 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**ART 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**ART 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**ART 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**ART 297 - Art Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**ART 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of department chair.

**ART 310 - Modern Art History (3)**

A study of significant works of art beginning with the middle of the nineteenth century and continuing to the present. The movements of the western tradition will be featured but contemporaneous non-western influences will also be introduced. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**ART 311 - Professional Practices (3)**

Information and instruction for the professional artist. Includes preparation of portfolio, slides, artist statement, resume, letters of application, and professional displays. Also explores obtaining fellowships, residences and grants. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ART 315 - Folk Art (3)**

Introduces students to the diverse types of folk art. This class combines both lecture and some studio projects to explain and illustrate why folk art is both popular and controversial. Fall, alternate years.

**ART 320 - Painting II (3)**

Continued refinement and practice of techniques and materials introduced in Painting I. Students should have a working knowledge and understanding of color theory and previous experience with oil painting materials. Prerequisite: ART 220 - Painting I or consent of instructor. Fall.

**ART 321 - Painting III (3)**

Further mastery and application of techniques covered in previous courses. Emphasis will be placed on the development of an individual artistic style. Prerequisite: ART 320 - Painting II and consent of instructor. Fall.

**ART 326 - Water Media II (3)**

Continued refinement of techniques and materials introduced in ART 225. Students should have a working knowledge and understanding of color theory and previous experience with water color materials. Prerequisite: ART 225 - Water Media I or consent of instructor.

**ART 327 - Water Media III (3)**

Further mastery and application of techniques covered in previous watercolor classes. Emphasis will be placed on the development of an individual artistic style. Prerequisite: ART 326 - Water Media II and consent of instructor. Offered on demand and taught at the same time as ART 225 - Water Media I. Spring.

**ART 330 - Drawing III (3)**

Advanced study of one or more drawing media with continued refinement of techniques developed in previous courses. Students will work toward the expression of a personal style. Offered on demand with other drawing courses. Prerequisite: ART 230 - Drawing II and permission of the instructor. Spring.

**ART 332 - Figure Drawing (3)**

Course is an introduction to basic figure drawing with a live model exploring representation, abstract and expressive methods. Prerequisite: ART 130 or consent of instructor. Offered on demand.

**ART 351 - Ceramics II (3)**

Continued refinement of techniques learned in ART 250 - Ceramics I. Wheel throwing and hand building combinations, raku firing, clay decoration, glazing, and gas kiln firing will be explored. Prerequisite: ART 250 - Ceramics I. Fall, Spring.

**ART 352 - Ceramics III (3)**

Continued refinement of techniques learned in Ceramics I and II. Prerequisite: ART 250 and ART 351 or permission of instructor. Fall, Spring.

**ART 360 - Sculpture I (3)**

An introduction to three-dimensional expression using a variety of media including clay, wood, metals, or other materials. Emphasis will be placed on the interaction of form and space. Offered on demand.

**ART 370 - Printmaking II (3)**

Continued refinement of techniques learned in ART 270 - Printmaking I. Emphasis will be placed on development of color printing skills through print alterations or relief techniques and studio maintenance. Prerequisite: ART 270 - Printmaking I. Spring, odd years, depending on demand.

**ART 371 - Printmaking III (3)**

Further mastery and application of intaglio techniques covered in previous courses. Emphasis will be placed on the development of an individual artistic style. Prerequisite: ART 370 - Printmaking II and consent of instructor. Taught at the same time as ART 270 - Printmaking I and ART 370 - Printmaking II. Spring, odd years, depending on demand.

**ART 380 - Photography II (3)**

An intermediate course of study using traditional and alternative black and white and digital color processes. Emphasis will be on development of individual concept and content. Prerequisite: Art 280 - Photography I or permission of the instructor. Spring, odd years.

**ART 381 - Photography III (3)**

An advanced photography course designed to help the student develop self-direction abilities through a series of projects in consultation with the instructor. Projects involve the refinement of conceptual and formal qualities in silver or non-silver processes using film or digital techniques. Prerequisites: ART 280 - Photography I, ART 380 - Photography II or permission of the instructor. Spring, odd years.

**ART 410 - Senior Exhibition (2)**

The planning, organization, installation, and presentation of an individual portfolio of art work in a group exhibition of senior level art major students. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**ART 411 - Senior Exhibition (1)**

The planning, organization, installation, and presentation of an individual portfolio of art work in a group exhibition of senior level art major/minor students. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**ART 420 - Painting IV (3)**

Individual research project in painting to be developed and determined by the student with guidance from the instructor. This course is designed for students planning to pursue graduate school or wishing to expand his or her studio experiences. Prerequisites: ART 321 - Painting III and consent of instructor. Fall.

**ART 425 - Water Media IV (3)**

Individual research project in watercolor painting to be developed and determined by the student with guidance from the instructor. This course is designed for the student planning to attend graduate school or wishing to expand his or her studio experiences. Prerequisites: ART 327 - Water Media III and consent of the instructor. Spring.

**ART 452 - Ceramics IV (3)**

Students provide a preliminary outline of proposed studio work developed in consultation with the instructor, applicable to the exploration of advanced level hand building or throwing techniques. Emphasis is on the development of a personal direction and a body of work with refinement of appropriate techniques. May be repeated. Prerequisites: ART 250 - Ceramics I, ART 351 - Ceramics II, and ART 352 - Ceramics III. Fall, Spring.

**ART 460 - Sculpture II (3)**

Continued refinement of techniques learned in ART 360 - Sculpture I. Prerequisite: ART 360 - Sculpture I or consent of instructor. Offered on demand.

**ART 471 - Printmaking IV (3)**

Individual research project in printmaking to be developed and determined by the student with guidance from the instructor. This course is designed for student planning to attend graduate school or wishing to expand his or her studio experiences. Prerequisites: ART 371 - Printmaking III and permission of the instructor. Offered on demand and taught at the same time as ART 270 - Printmaking I. Spring.

**ART 480 - Photography IV (3)**

Independent research project in a photographic media with emphasis placed on developing and artistic style. This course is designed for students planning to pursue graduate studies or photography as a career field or wishing to expand their studio experiences. Prerequisite: ART 381 - Photography III and consent of instructor. Offered on demand in conjunction and taught at the same time as ART 380 - Photography II. Spring, alternate years.

**ART 491 - Art Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. ART 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**ART 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ART 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**ART 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by the instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at the end of semester. Requires approval by department chair.

**ART 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**ART 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**ART 497 - Art Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities what will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**ART 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline.

## ASC - ACADEMIC SKILLS COURSES

### ASC 066 - English Language Learning High Basic (1-4)

This course is an integrated approach to learning and acquiring English Language Learning as a Second Language and is intended for international students and students who use English as a second language. The course will focus on acquiring High Basic academic listening, reading, speaking and writing English language skills. Placement will be determined by student's TOEFL scores and other placement instruments as deemed appropriate by the ELL Specialist.

### ASC 067 - English Language Learning Low Intermediate (1-4)

This course is an integrated approach to learning and acquiring English Language Learning and is intended for international students and students who use English as a second language. The course will focus on acquiring Low Intermediate academic listening, reading, speaking and writing English language skills. Placement will be determined by student's TOEFL scores and other placement instruments as deemed appropriate by the ELL Specialist.

### ASC 068 - English Language Learning High Intermediate (1-4)

This course is an integrated approach to learning and acquiring English Language Learning and is intended for international students and students who use English as a second language. The course will focus on acquiring High Intermediate academic listening, reading, speaking and writing English language skills. Placement will be determined by student's TOEFL scores and other placement instruments as deemed appropriate by the ELL Specialist.

### ASC 069 - English Language Learning Low Advanced (1-4)

This course is an integrated approach to learning and acquiring English Language Learning and is intended for international students and students who use English as a second language. The course will focus on acquiring Low Advanced academic listening, reading, speaking and writing English language skills. Placement will be determined by student's TOEFL scores and other placement instruments as deemed appropriate by the ELL Specialist.

### ASC 087 - College Writing Preparation (3)

This course is intended to help students develop their use of standard written English to prepare them for success in the traditional composition sequence. Students with English ACT scores below 18 who do not meet the minimum requirements of a separate ASC writing assessment will be required to take this course prior to enrollment in ENGL 110-Composition I. \*Credits not applicable for a major or minor program and will not apply toward the general education English requirement.

### ASC 088 - Writing Composition Lab (1)

Composition Lab is designed as a co-requisite with ENGL 110 for students who demonstrate a need for support instruction in grammar and punctuation based on placement test scores. Students will gain confidence in their reading, writing and editing skills, reduced mechanical errors in their writing, and be able to focus more attention on the craft of thoughtful writing. The course is offered on-campus. Credit earned does not count towards any degree. Students who are required to take ASC 088 must pass the lab in order to pass ENGL 110.

### ASC 091 - Algebra Prep I (2)

The introduction to Real numbers and their properties, simplification of algebraic expressions, orders of operations, the evaluation and solving techniques of linear equations, solving application problems, modeling, and solving inequalities, learning the Cartesian coordinate system and graphing of linear equations will be the focus. This course addresses the development of the fundamental skills required for successful completion of studies in college level mathematics courses. It is designed to provide students with a solid foundation in Algebra and will also incorporate some hands-on, real world supplemental activities. This course will not apply towards general education mathematics requirements. Success in this course with a grade of "C" or better is mandatory for moving on to the next level of Algebra Prep. Prerequisite: Placement test. Fall.

### ASC 092 - Algebra Prep II (2)

An introduction to polynomials and their operations, exponents, factoring polynomials, management of multiple variables introduced into problems, and learning algebraic manipulations in effort to factor and solve quadratic equations and rational expressions will be the focus. This course addresses the development of the fundamental skills required for the successful completion of the studies in college level mathematics courses. It is designed to provide students with a solid foundation in Algebra and will also incorporate some hands-on, real world supplemental activities. This course will not apply towards general education mathematics requirements. Success in this course with a grade of "C" or better is mandatory for moving on to the next level of Algebra Prep. Prerequisite: placement test or completion of ASC 091 with a grade of "C" or better. Fall, Spring.

### ASC 093 - Algebra Prep III (2)

Exploring graphs non-linear equations and recognizing their shifts and transformations, processes for solving absolute value equations and inequalities, radicals, and radical functions, rational exponents, performing operations on radical expressions as well as rationalizing denominators will be covered. An introduction to complex numbers will also be given. This course concludes the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. It is designed to reinforce students' knowledge of a solid foundation in Algebra and lead to mastery. This course will not apply towards general education mathematics requirements. Success in this course with a grade of "C" or better is mandatory for enrollment in MATH 103 (College Algebra). Prerequisite: placement test or completion of ASC 092 with a grade of "C" or better. Fall, Spring.

## **ASM - AGRICULTURAL SYSTEMS MANAGEMENT**

### **ASM 155 - Agricultural Welding (3)**

Principles and operation of oxyacetylene, electrode, and wire feed welding including safety, electrode selection, making welds on common materials, brazing, and cutting with labs on new and repair projects. Fall, Spring.

### **ASM 255 - Advanced Welding (2)**

Includes use of MIG welder and plasma arc torch; also includes hard surfacing, brazing, welding cast iron, aluminum, stainless and spring steel, and out-of-position welding. Prerequisite: ASM 155 - Agricultural Welding. Fall, Spring.

## **BADM - BUSINESS ADMINISTRATION**

### **BADM 270 - Business Leadership Seminar (1)**

Business Leadership Seminar will provide students with the opportunity to apply business leadership principles in a collaborative setting, emphasizing the importance of philanthropy in commerce. Students will further improve on networking, teamwork, communication, organization, and leadership skills while developing community and campus based activities. Required membership to Business Club.

### **BADM 291 - Business Administration Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

### **BADM 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

### **BADM 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

### **BADM 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

### **BADM 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

### **BADM 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

### **BADM 297 - Business Internship, Externship, Cooperative Education (1-6)**

Student will be placed in a company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisites: Must be a Junior/Senior business student. Student Internship Application approval by department chair is required. Business Administrations majors must complete all pre-major courses with a "C" or better. S/U grading only. Fall, Spring, Summer.

### **BADM 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

### **BADM 310 - SIFE Service Learning and Community (1)**

A team of students that designs and implements projects to meet unmet needs across the campus and community using the concepts of business, entrepreneurship, marketing, finance, and community involvement. SIFE projects require that students apply the principles of free enterprise while bringing about social good. The team documents its projects with the option to enter them in a national ENACTUS competition each April. It is highly recommended that students plan to take SIFE both fall and spring semesters so they can participate in the projects from start to competition. Fall, Spring.

### **BADM 336 - Management and Leadership (3)**

Introduces the student to the field of management and organizational theory. Topics include: leadership, motivation, planning, teamwork, and objective setting. The course will develop a mastery of a body of theory and research findings about organizations and the people within organizations. Prerequisite: Business Administration majors must complete all pre-major courses with a "C" or better, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

### **BADM 346 - Human Resource Management (3)**

A survey of the major content areas of the Human Resource profession, including workforce development, equal opportunity laws, compensation, training, collective bargaining, work environments, and human relations practices. Emphasis is on practical solutions to everyday people management challenges. Prerequisite: BADM 336 - Management and Leadership. Fall.



**BADM 356 - Organizational Behavior (3)**

Emphasizes individual, group and intergroup behavior in organizations. The course utilizes experiential learning methods including role play, exercises, and simulations as a method of teaching interpersonal and managerial skills. Prerequisite: BADM 336 - Management and Leadership. Spring.

**BADM 360 - Real Estate Principles (3)**

Study of principles of real estate property, asset, and brokerage management. Includes the management of real property in a portfolio context for both the individuals and institutional investors, as well as fundamentals of real estate brokerage operations. Fall or Spring.

**BADM 357 - Visual Merchandising, Design, and Storytelling (3)**

Skill development in the creation of showroom or retail store window/interior displays that sell merchandise. Analysis of different approaches and methods for effectiveness in actual retail settings. Includes display principles of balance, color and focal point statements. Study of the basic techniques of store planning, mannequin dressing, alternate form design, and display space conceptualization and implementation. Prerequisite: MRKT 301 - Principles of Marketing. Offered on demand.

**BADM 364 - Electronic Commerce (3)**

A study of marketing and planning strategies, consumer behavior, legal and regulatory policy issues related to the commercial development of the Internet, including aspects of Social Networking on how to successfully architect social online environments and experiences.

**BADM 369 - Business Ethics and Critical Thinking (3)**

Builds on ethical dilemmas that the contemporary American and global business world face. The course challenges student's critical thinking about the role of business in society, the nature of corporate social responsibility, and the influence of social, political, legal and regulatory, as well as environmental issues. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Business Administration majors must complete all pre-major courses with a "C" or better. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall online, Spring.

**BADM 376 - Production/Operations Management (3)**

Overview of service operations and manufacturing processes including: forecasting, decision models, quality and statistical control, location analysis, layout designs, inventory management, scheduling, and maintenance management. Involves computer based modeling and decision-making. Prerequisite: MATH 305 - Probability and Statistics. Business Administration majors must complete all pre-major courses with a "C" or better. Fall, Spring.

**BADM 380 - Human Resource Law (3)**

Introduces concepts involved in personnel law. This course aims to help the student with practices and procedures that assure that the organization complies with federal, state and city statutes and regulations. Prerequisite: BADM 336 - Management and Leadership. Business Administration majors must complete all pre-major courses with a "C" or better.

**BADM 388 - Management Information Systems (3)**

The role and applications of information management in organizations. Emphasis on the Internet, systems organization, data warehousing, electronic commerce, current software, and the globalization of information. Students learn how to create and maintain web pages as they relate to information management. Fall, Spring.

**BADM 420 - International Management (3)**

This course is an intensive study of managerial concepts and methods pertaining to international business with a focus on the special demands made on managers of international operations due to differences in management styles and systems. Strategies for adapting corporate policies to different cultures, economics, and political systems are emphasized. Prerequisite: BADM 455 - International Business.

**BADM 436 - Staffing and Workforce Diversity (3)**

Introduces students to the principles and strategies of staffing in today's diverse workplace. Topics include: workforce diversity, human resource planning, job analysis, recruitment, selection, and performance assessment. Prerequisite: BADM 336 - Management and Leadership. Business Administration majors must complete all pre-major courses with a "C" or better.

**BADM 452 - Compensation Management (3)**

Provides a theoretical and practical understanding of the role of compensation management in organizations. Topics include: job evaluation, incentive systems, performance appraisals, employee benefits, and compensation legislation. Prerequisite: BADM 336 - Management and Leadership. Business Administration majors must complete all pre-major courses with a "C" or better.

**BADM 455 - International Business (3)**

A study of the cultural, political, and economic environment of business firms operating globally; the basis for trade and trade policy; balance of payments and currency exchange rate systems; contemporary issues in international business and global economics. Prerequisites: BADM 336 - Management and Leadership and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Business Administration majors must complete all pre-major courses with a "C" or better. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**BADM 456 - International Business Strategy (3)**

This course provides a comprehensive analysis of global strategic business practices integrating various aspects of international business strategy. Emphasis is on international case studies oriented toward concepts of economics, finance, marketing, technology and management. Prerequisites: BADM 455 - International Business; MRKT 301 - Principles of Marketing; FIN 326 - Managerial Finance. Business Administration majors must complete all pre-major courses with a "C" or better.

**BADM 460 - Human Resource Development (3)**

Designed for the student to gain experience in training needs analysis, program implementation as well as evaluation of process and outcomes. Job design strategies and human resource cost-effectiveness plans are also addressed. Prerequisite: BADM 336 - Management and Leadership. Business Administration majors must complete all pre-major courses with a "C" or better.

**BADM 465 - Labor Relations (3)**

Introduces the student to labor and industrial relations. The course examines the history of unions, the collective bargaining process, negotiations, dispute settlement, grievance, and arbitration procedures. Prerequisite: BADM 336 - Management and Leadership. Business Administration majors must complete all pre-major courses with a "C" or better.

**BADM 485 - Business Policy (4)**

A capstone course. Analyzes business and its environment today. Emphasis is placed on the development and execution of strategy. Decision making skills are developed through the use of the case method. Prerequisites: Senior standing and accounting or business administration major, FIN 326 - Managerial Finance or permission of the instructor or department chair and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Business Administration majors must complete all pre-major courses with a "C" or better. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**BADM 491 - Business Administration Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**BADM 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**BADM 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**BADM 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**BADM 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**BADM 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**BADM 497 - Business Administration Internship, Externship, Cooperative Education (1-12)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities that will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. S/U grading only. Fall, Spring.

**BADM 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**BADM 501 - Accounting and Budgeting (3)**

An in-depth study of the use of accounting information by management in planning, controlling and decision-making. Emphasis will be on the preparation of operating budgets as well as using relevant information from management budget reports to make decisions about costing, pricing and related company processes. Graduate level course. Offered on demand.

**BADM 502 - Business Finance (3)**

An introduction to the management of assets and money. Topics covered include time value of money, risk/return models, security valuation, weighted average cost of capital, capital budgeting, capital structure, forecasting and dividend policy. Graduate level course. Offered on demand.

**BADM 503 - Advanced Managerial Theory (3)**

An in-depth study of contemporary theories of management as they apply to critical aspects of leading an organizational endeavor. Structure and dynamics of organizational goals and environments will be analyzed. Students learn how to select and recruit a management team, how to design jobs and organization structure, motivate and incentivize employees, manage difficult people, and build high performance teams. Graduate level course. Offered on demand.

**BADM 504 - Entrepreneurial Marketing (3)**

A study of the interplay of entrepreneurship and marketing concepts, including the role of marketing in entrepreneurial ventures. Emphasis is placed on how to address the modern marketing functions as they apply to emerging organizations. Graduate level course. Offered on demand.

**BADM 505 - Research and Writing in Business (3)**

A review of current research that addresses important entrepreneurial questions. The course focuses on refining students' skills in mapping out and writing research papers that explore and provide solutions to the issues students identify. Graduate level course. Offered on demand.

**BADM 506 - Human Capital Management (3)**

A study of theory, research, and applications in the major areas of human resource management. Topics include human resource strategy, recruitment, selection, development, training, compensation, performance appraisal, retention, and legal issues in human resources. Graduate level course. Offered on demand.

**BADM 507 - Quantitative Analysis for Business Decisions (3)**

An introduction to the quantitative tools for solving difficult business problems. Topics include the use of data and statistical methods, such as confidence intervals, hypothesis testing and linear regression to guide decisions. The course will also cover use of linear programming and the simplex method for maximization and minimization problems. Graduate level course. Offered on demand.

**BADM 597 - Business Internship, Externship, Cooperative Education (1-3)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Student must have completed a substantial part of his or her program before applying for internship. S/U grading only. Graduate level course. Fall, Spring, Summer.

**BIOL - BIOLOGY****BIOL 111 - Concepts of Biology (3)**

Concepts of Biology is an introductory level non-majors transferable class, designed to meet the requirements of a Lab Science. It presents the essential general information about plants and animals, explains fundamental laws governing the biological world, and emphasizes their relationship to humans. Not applicable toward biology major or minor. Co-requisite: BIOL 111L - Concepts of Biology Lab. Fall, Spring; Summer on demand.

**BIOL 111A - Concepts of Biology Lecture (3)**

Concepts of Biology Lecture is an introductory level non-majors class. It presents the essential general information about plants and animals, explains fundamental laws governing the biological world, and emphasizes their relationship to humans. Not applicable toward biology major or minor. This class does not meet the general education laboratory science requirements unless BIOL 111L is also taken. Restricted to Nursing majors only. Fall.

**BIOL 112 - Exploring Human Health in Our Environment (4)**

This course investigates the environmental conditions that are the cause of human disease or injury. It covers aspects of the natural and human built environment that may affect human health. The course introduces students to both physical and biological sciences to build an understanding of the relationships between disease prevention, public health and sanitation and how advances in these areas have improved human life. The course includes a two hour lab once per week that will convey the practical application of human disease prevention. Offered on demand.

**BIOL 150 - General Biology I (3)**

The course introduces students to the molecular and cellular foundations of biology. Topics include the nature of science, bioenergetics, cell and molecular structure, and molecular genetics. Prerequisite: CHEM 115 - Introductory Chemistry or CHEM 121 - General Chemistry I. Co-requisite: BIOL 150L - General Biology I Lab. Spring.

**BIOL 150L - General Biology I Lab (1)**

This laboratory class will focus on learning the basic elements of experimental design, common laboratory methods, data recording and analysis, and scientific writing. Co-requisite: BIOL 150 - General Biology I. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**BIOL 151 - General Biology II (3)**

The course introduces students to the fundamentals of organismal biology. Topics include the nature of science, heredity, evolution, biodiversity, physiology, and ecology. Co-requisite: BIOL 151L - General Biology II Lab. Fall.

**BIOL 151L - General Biology II Lab (1)**

Laboratory experience that illustrates principles and concepts introduced in BIOL 151 - General Biology II. Co-requisite: BIOL 151 - General Biology II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**BIOL 170 - General Zoology (3)**

A survey of the animal kingdom, from simple to complex. Major invertebrate and vertebrate animal groups will be covered with emphasis on structure, function, life history characteristics and evolutionary advancements of each. Topics of animal ecology, with emphasis on regional species, concludes the course. Prerequisites: BIOL 150/BIOL 150L - General Biology I and Lab, BIOL 151/BIOL 151L - General Biology II and Lab. Co-requisite: BIOL 170L - General Zoology Lab. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**BIOL 170L - General Zoology Lab (1)**

Laboratory experience that illustrates principles and concepts introduced in BIOL 170 - General Zoology. Prerequisite: BIOL 150/BIOL 150L - General Biology I and Lab, BIOL 151/BIOL 151L - General Biology II and Lab. Co-requisite: BIOL 170 - General Zoology. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**BIOL 220 - Anatomy and Physiology I and Lab (4)**

An introduction to structure and function of the human cells, tissues, and organ systems to include the integumentary system, joints, muscles and muscular system. Prerequisites: BIOL 111 - Concepts of Biology or BIOL 111A - Concepts of Biology Lecture or BIOL 150/BIOL 150L - General Biology I and Lab; CHEM 115/CHEM 115L - Introductory Chemistry and Lab or CHEM 121/CHEM 121L - General Chemistry and Lab. Spring.

**BIOL 221 - Anatomy and Physiology II and Lab (4)**

A continuation of BIOL 220; the nervous, endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary and reproductive systems and development. Prerequisite: BIOL 220 - Anatomy and Physiology I. Fall.

**BIOL 250 - Wildlife Management (3)**

This course introduces students to the theories and methods of both game and non-game wildlife management. Topics covered include population ecology, ecosystem ecology, organismal life history as well as law and policy affecting species of the Northern Great Plains. Prerequisites: BIOL 151/BIOL 151L - General Biology II and Lab. Spring, odd years.

**BIOL 254 - Introduction to Botany (4)**

Introduction to the biology of plants emphasizing evolution and diversity, plant anatomy and development, water and mineral nutrition, photosynthesis, and plant ecology. Prerequisites: BIOL 150/BIOL 150L - General Biology I and Lab or BIOL 151/BIOL 151L - General Biology II and Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**BIOL 291 - Biology Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work.

**BIOL 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**BIOL 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**BIOL 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**BIOL 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**BIOL 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**BIOL 297 - Biology Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**BIOL 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of department chair.

**BIOL 302 - Microbiology (3)**

A general survey on the morphology and physiology of selected microbes with major emphasis on the medical aspects of bacteria and viruses to humans. This course is intended for the allied health students. Prerequisites: BIOL 111 - Concepts of Biology - Concepts of Biology or BIOL 111A - Concepts of Biology Lecture, CHEM 115/CHEM 115L - Introductory Chemistry and Lab. Co-requisite: BIOL 302L - Microbiology Lab. Spring.

**BIOL 302L - Microbiology Lab (1)**

Includes culturing methods, staining techniques, biochemical reactions, evaluations of various disinfectants/antiseptics/ antibiotics, radiation induced mutations, and viral plaques. Co-requisite: BIOL 302 - Microbiology. Spring.

**BIOL 305 - General Microbiology (4)**

This is an advanced course designed for Natural Science majors. Emphasis will be placed on microbial (bacterial, viral, and fungal) structure, function, genetics, pathogenicity, growth, growth control, and diversity. Topics on evaluation, environmental microbiology, and biotechnology will also be discussed. This course includes a laboratory component. Prerequisites: BIOL 150/BIOL 150L - General Biology I/Lab, BIOL 151/BIOL 151L - General Biology II/Lab, CHEM 121/CHEM 121L - General Chemistry I/Lab and CHEM 122/CHEM 122L - General Chemistry II/Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**BIOL 315 - Genetics (4)**

An introduction to transmission genetics, molecular genetics, genomics, epigenetics and population genetics. Lecture and laboratories will focus on learning the critical thinking skills and common laboratory procedures and software for phenotyping and genotyping. Prerequisites: BIOL 150/BIOL 150L - General Biology I and Lab and CHEM 122/CHEM 122L - General Chemistry II and Lab, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Letter Grade. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**BIOL 330 - Cell Biology (4)**

The description and analysis of physical and biochemical processes at the cellular and molecular level of the living animal, plant, and microbial cell. Lab portion is designed to reinforce the lecture material with examples of cellular anatomy. The lab will provide additional training in microscopy and sample preparation. Prerequisites: BIOL 150/BIOL 150L - General Biology I and Lab, CHEM 122/CHEM 122L - General Chemistry II and Lab, or consent of the instructor and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**BIOL 340 - Comparative Anatomy (4)**

A study of the principle structures and organ systems of protochordates and chordates. Emphasis is placed upon the evolution and evolutionary processes evidenced in the vertebrate classes using anatomical, embryological, and paleontological evidence. Prerequisites: BIOL 170/BIOL 170L - General Zoology and Lab. Offered on demand.

**BIOL 345 - Parasitology (4)**

Study of the major parasites of humans and animals, their natural history, life cycles, prevention, and controls. Prerequisites: BIOL 150/BIOL 150L - General Biology I and Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**BIOL 357 - Pathophysiology (3)**

The focus in this course is to provide fundamental knowledge of the structural and functional changes that occur in the development of disease and alterations in function of human beings. The emphasis is on applying this knowledge to the signs and symptoms manifested as human responses. Microbiology strongly recommended. Prerequisite: BIOL 221 - Anatomy and Physiology II and Lab. Fall.

**BIOL 375 - Environmental Economics, Law and Public Policy (3)**

Students in this course will be introduced to environmental decision-making scenarios using case studies, legislation, state and federal law and policy. This course will also introduce the students to the tools and concepts used by economists to understand environmental problems and the economic impact of environmental pollution and other problems.

This course is intended for environmental health, environmental science, and science education majors and is not applicable to biology majors or minors. Prerequisite: 3 hours of ECON or POLS coursework. Cross-listed with POLS 375. Spring, even years.

**BIOL 380 - Lab Practicum (1-6)**

Student is assigned to assist in the preparation and execution of a biology lab. Prerequisite: BIOL 150/BIOL 150L - General Biology I and Lab. Offered on demand and only by permission of instructor. S/U grading only.

**BIOL 390 - Biology Research I (1)**

This is the first of a three semester sequence dedicated to a capstone research project that will culminate in a written scientific manuscript and verbal presentation in BIOL 491. In this class, students will select a research mentor, and write a literature review and research proposal. Prerequisite: BIOL 389 - Scientific Writings and Readings and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with SCNC 390. Spring.

**BIOL 405 - Biometry (3)**

Course will focus on experimental design and statistical procedures and applications in biology. Emphasis is on the practical applications of statistics to summarize data, test hypotheses and evaluate statistical relationships. Prerequisites: SCNC 389 - Scientific Writing and Reading and MATH 103 - College Algebra. Fall.

**BIOL 410 - Animal Physiology (4)**

This course examines the life functions and processes of both invertebrates and vertebrate animals at a cellular, tissue and organismal level. And to reinforce the lecture material with applied and theoretical physiological exercises of both normal and abnormal biochemical responses to environmental changes. Prerequisites: BIOL 170/BIOL 170L - General Zoology/Lab, CHEM 122/CHEM 122L - General Chemistry II/Lab or equivalent, junior status or above or consent of the instructor and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**BIOL 415 - Ecology (4)**

Principles concerning the relationships between organisms and their environment. Field and laboratory exploration of native plant and animal ecology. Prerequisites: BIOL 254 - General Botany, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II and a college level statistics class. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**BIOL 420 - Mammalogy (4)**

A study of the classification, identification, morphology, distribution, ecology and life history of mammals. The lab portion of the course will include field experiences. Prerequisites: BIOL 151/BIOL 151L - General Biology II/Lab; BIOL 170/170L - General Zoology/Lab; MATH 305 - Probability and Statistics. Offered on demand.

**BIOL 425 - Animal Behavior (3)**

In this course, we will study the evolution of animal behavior, from the ultimate and proximate mechanisms that generate behavior, to the study of behavioral variation among different groups of animals. The objectives of the course are to: 1) become familiar with major topics and concepts in the field of animal behavior, and 2) gain an understanding of the evolution of behavior systems.

Prerequisite: BIOL 170/BIOL 170L - General Zoology/Lab. Spring, even years.

**BIOL 440 - Immunology (3)**

The biological, chemical, and molecular basis of the human immune system. Both theoretical and applied aspects of current work will be discussed. Prerequisites: BIOL 305 - General Microbiology and BIOL 315 - Genetics or consent of the instructor. Fall, odd years.

**BIOL 450 - Epidemiology (3)**

The fundamentals of epidemiology including the measures of mortality and morbidity, indices of community health, screening and population dynamics. Also included are selected studies of infectious disease epidemiology and environmental epidemiology. Prerequisites: BIOL 150/BIOL 150L - General Biology I and Lab, BIOL 305 - General Microbiology and a college introductory statistics course and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**BIOL 454 - Plant Physiology (4)**

This class is designed to introduce students to contemporary experimental plant biology. The emphasis is on the recent molecular advances in the fields of plant physiology, biochemistry, development, adaptation and evolution. The key aspects of plant functioning from seed to seed will be highlighted. This class includes a laboratory component. Prerequisite: BIOL 150/BIOL 150L - General Biology I and Lab and BIOL 254 - Introduction to Botany and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**BIOL 455 - Soil Microbiology (3)**

This course provides a fundamental understanding of the structure and function of soil communities with an emphasis on: 1) the diversity and distribution of organisms inhabiting the soil, 2) plant-microbial interactions, 3) interactions and functions within ecosystem processes, 4) management of soil microorganisms in different ecosystems, and 5) soil microbial research techniques.

Prerequisites: BIOL 305 - General Microbiology and SOIL 210 - Introduction to Soil Science or permission of instructor. Cross-listed with SOIL 455. Spring, even years.

**BIOL 459 - Evolution (3)**

This course details the processes that influence evolutionary change. An emphasis is placed on the methodology for (1) inferring phylogenetic relationships (i.e., history), (2) determining the relative influences of natural selection and genetic drift, and (3) exploring the conditions that lead to various modes of speciation. Topics covered include population genetics, speciation, microevolution vs. macroevolution, punctuated equilibrium, life history theory, and modes of selection.

Prerequisites: BIOL 254 - Introduction to Botany and BIOL 170/BIOL 170L - General Zoology and Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**BIOL 480 - Lab Practicum (1-2)**

Course designed for the student to gain experience in the preparation and execution of the laboratory experience.

Students assist the instructor in course instruction.

Prerequisite: Junior or senior standing, restricted to education majors only. Offered on demand with permission of instructor only. S/U grading only.

**BIOL 490 - Biology Research II (1)**

Student will conduct research on the topic that was chosen in BIOL 390 between themselves and their selected mentor. This will include the implementation of the research proposal, literature review, and maintaining a close relationship with the mentor. It is imperative during this course that the students maintain accurate notes, address any potential problems of the research, and begin working on the written report. The written report will be collected in BIOL 491. Cross-listed with CHEM 490 and SCNC 490. Fall.

**BIOL 491 - Biology Seminar (1)**

This course is culmination of the biology capstone research sequence. Students will write a publication quality research article and present their research in a public presentation. Restricted to graduating seniors. This is a capstone course. Prerequisites: BIOL 490 - Biology Research II, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with SCNC 491.

**BIOL 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**BIOL 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**BIOL 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**BIOL 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**BIOL 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**BIOL 497 - Biology Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**BIOL 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of department chair.

**BOTE - BUSINESS EDUCATION****BOTE 102 - Keyboarding I (1)**

Learn the alphanumeric keyboard using the touch typing method with proper keyboarding techniques. Exploring business forms with development of good keyboarding techniques with appropriate speed and accuracy. Designed for students who do not know how to keyboard or who have speeds less than 25 words per minute during a one minute timing. Offered on demand.

**BOTE 147 - Word Processing and Presentation Software (3)**

Orientation to word processing software, hands-on applications, and skill development. Includes maintaining documents and using writing tools. Exploring the Internet. Use of word processing and presentation software to create professional business documents and presentations. Fall, Spring.

**BOTE 152 - Keyboarding II (3)**

Formatting and keying a wide variety of business communication forms including: memos, letters, tables, manuscripts and reports from straight copy, rough drafts, and unarranged copy. Must be able to keyboard at a minimum rate of 30 words per minute during a one-minute timing. Fall, Spring.

**BOTE 171 - Medical Terminology I (3)**

Presents a basic study of medical terminology with emphasis on prefixes, suffixes, word roots, combining forms, etc. Audio tapes enhance pronunciation and explanation of medical terms. Fall.

**BOTE 202 - Keyboarding III (3)**

Refine skills in keyboarding, formatting, and proofreading of business documents including letters, memos, tables, and reports. Activities will focus on the integration of computer software applications, critical thinking skills, and decision-making in job-related simulations. Develop speed and accuracy on the 10-key pad with continued development of speed and accuracy on the alphanumeric keyboard. Prerequisite: BOTE 152 - Keyboarding II. Fall.

**BOTE 210 - Business Communication (3)**

Provides hands-on experience of creating business documents: letters, memos, reports, and proposal presentations for a variety of situations. Includes a review of both verbal and nonverbal communications aspects, document formatting, the writing process, and writing mechanics. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**BOTE 218 - Desktop Publishing (3)**

Introduction to the concepts and methods used in desktop publishing as it relates to business publications. Students will create dynamic graphics, format, illustrate, design, edit/revise and print publications. A principle of layout and design will be practiced. Improve productivity of electronically produced newsletters, flyers, brochures, reports, advertising materials, and other publications are emphasized. Spring.

**BOTE 245 - Advanced Word Processing (3)**

Use of advanced features of word processing software to create professional documents. Includes working with complex documents, preparing documents for publication, and integrating information from other sources along with research on the Internet. Fall, Spring.

**BOTE 247 - Spreadsheet Applications (3)**

A non-programming course designed to provide a broad-based introduction to spreadsheets, learning methods of data collection and manipulation. Fall, Spring.

**BOTE 254 - Legal Keyboarding (2)**

Introduction to legal terminology and legal forms; practice transcribing legal material and typing legal forms commonly used in law offices through the use of word processing. Fall.

**BOTE 255 - Legal Office Procedures (2)**

Specialized program for the legal secretarial profession. Develops confidence in the secretary-attorney and secretary client relationship. Lecture areas include adoption, voluntary bankruptcy, land and title work, will and the probate of an estate. Provides work experience in a law office and watching court cases in action. Prerequisite: BOTE 254 - Legal Keyboarding. Spring.

**BOTE 275 - Administrative Office Procedures (3)**

Duties, responsibilities, and personal qualities of office personnel; human relations in business. Projects that require application of the various office abilities and intricate business practices in higher level duties; office ethics and etiquette, and machine transcription. Develops skills necessary to function efficiently in today's office as an administrative support person. Spring.

**BOTE 277 - Medical Office Procedures (3)**

Discusses medical ethics, professionalism, insurance, insurance reporting, medical procedure codes, and office procedures as it relates to a medical office. Hands-on computer application of the creation and maintenance of patient records from appointments through billing procedures. Prerequisite: BOTE 171 - Medical Terminology I. Spring.

**BOTE 291 - Office Administration Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**BOTE 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**BOTE 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**BOTE 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**BOTE 295 - Service Learning (1-6)**

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**BOTE 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**BOTE 297 - Office Administration Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Student must have completed a substantial part of his or her program before applying for internship. S/U grading only. Fall, Spring and Summer by directed study.

**BOTE 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of department chair.

**BOTE 411 - Philosophy of Career & Technical Education (3)**

Exploration of the many aspects of vocational education including the role of local, state, and national regulations and funding. Develops an understanding and appreciation of all the elements of vocational education and how they relate to each other and to the overall field of education. Students will investigate current instructional methods and materials of office education with particular emphasis on special needs students. Taught as needed on-line during summers only.

**BOTE 412 - Coordination of Cooperative Work Experience Programs (3)**

Integrates current trends, state and federal regulations, and applicable laws affecting vocational office education at the secondary level as students develop a program and organization for the supervision of cooperative office work experience, including Tech Prep and School-To-Work transitions. Taught as needed on-line during summers only.

**BOTE 425 - Lab Assistant (1-6)**

Provides an opportunity for students to apply computer knowledge by assisting students in a computer lab situation. Students could present mini-lessons within the context of the course. May be repeated until six credits have been earned. Prerequisite: SEED 490B - Methods in Business Education or consent of the instructor. S/U grading only. Fall, Spring.

**BOTE 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

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**BOTE 495 - Service Learning (1-6)**

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**BOTE 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of department chair.

**CHEM - CHEMISTRY****CHEM 111 - Fundamentals of Chemistry (3)**

Basic principles of chemistry including atomic structure, chemical symbols, chemical bonding, reactions, nuclear chemistry, and states of matter. High school algebra skills are necessary. This course is recommended for nursing students and those students needing a general education science course. Co-requisite: CHEM 111L – Fundamentals of Chemistry Lab. Offered on demand online.

**CHEM 111L - Fundamentals of Chemistry Lab (1)**

Laboratory course to accompany CHEM 111 - Fundamentals of Chemistry. Students will perform experiments demonstrating basic laboratory techniques and illustrating chemical principles discussed in CHEM 111. Co-requisite: CHEM 111 - Introductory Chemistry. Offered on demand online.

**CHEM 115 - Introductory Chemistry (3)**

Basic principles of chemistry including atomic structure, chemical symbols, chemical bonding, reactions, nuclear chemistry, and states of matter. High school algebra skills are necessary. This course is recommended for nursing students and those students needing a general education science course. Co-requisite: CHEM 115L - Introductory Chemistry Lab. Fall.

**CHEM 115L - Introductory Chemistry Lab (1)**

Laboratory course to accompany CHEM 115 - Introductory Chemistry. Students will perform experiments demonstrating basic laboratory techniques and illustrating chemical principles discussed in CHEM 115. Co-requisite: CHEM 115 - Introductory Chemistry. Fall.

**CHEM 121 - General Chemistry I (4)**

Fundamentals of chemistry including stoichiometry, atomic structure, chemical bonding, gas laws, acid-base and oxidation-reduction reactions. Proficiency in algebra is required. Recommended for science majors and those who will take upper-level chemistry courses. Co-requisite: CHEM 121L - General Chemistry I Lab. Fall.

**CHEM 121L - General Chemistry Lab I (1)**

Laboratory course to accompany CHEM 121 - General Chemistry I. Experiments to complement the lecture course will be performed. Basic laboratory skills dealing with collecting and analyzing data will be emphasized. Co-requisite: CHEM 121 - General Chemistry I. Fall.

**CHEM 122 - General Chemistry II (4)**

Fundamentals of chemistry including thermodynamics, kinetics, equilibrium, solution behavior, electrochemistry, and an introduction to inorganic chemistry. Prerequisites: CHEM 121/CHEM 121L - General Chemistry I and Lab. Co-requisite: CHEM 122L - General Chemistry II Lab. Spring.

**CHEM 122L - General Chemistry Lab II (1)**

Laboratory course to accompany CHEM 122 - General Chemistry II. Experiments to complement the lecture course will be performed. Basic laboratory skills along with qualitative analysis will be emphasized. Co-requisite: CHEM 122 - General Chemistry II. Spring.

**CHEM 291 - Chemistry Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**CHEM 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

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**CHEM 295 - Service Learning (1-6)**

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**CHEM 297 - Chemistry Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**CHEM 299 - Special Topics (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of the department chair. Prerequisites: CHEM 122/CHEM 122L - General Chemistry II and Lab.

**CHEM 330 - Quantitative Analysis (4)**

Theory and practice of gravimetric, volumetric, chromatographic analysis, and treatment of experimental data. Prerequisites: CHEM 122/CHEM 122L - General Chemistry II and Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**CHEM 335 - Analytical Instrumentation (4)**

Quantitative and qualitative instrumental analysis. Theory and practice of electrochemistry, liquid and gas chromatography, atomic and molecular absorption, and emission spectroscopy. Prerequisite: CHEM 330 - Quantitative Chemistry. Spring, even years.

**CHEM 341 - Organic Chemistry I (4)**

Topics to be included are chemical bonding, nomenclature, functional groups, stereochemistry, spectroscopy, and theory of laboratory techniques. Prerequisites: CHEM 121/CHEM 121L, General Chemistry I and Lab, CHEM 122/CHEM 122L - General Chemistry II and Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: CHEM 341L - Organic Chemistry I Lab. Fall.

**CHEM 341L - Organic Chemistry Lab I (1)**

Purification methods, chromatographic techniques, and spectroscopic identification will be examined in conjunction with topics covered in CHEM 341 - Organic Chemistry I. Co-requisite: CHEM 341 - Organic Chemistry I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**CHEM 342 - Organic Chemistry II (4)**

Topics to be covered are carbonyl chemistry, reactivity, mechanisms, synthesis, instrumentation, and theory of laboratory techniques including organic qualitative analysis. Prerequisites: CHEM 341/CHEM 341L - Organic Chemistry I and Lab. Co-requisite: CHEM 342L - Organic Chemistry II and Lab. Spring.

**CHEM 342L - Organic Chemistry Lab II (1)**

Organic synthesis, spectroscopic identification, purification methods, and organic qualitative analysis will be examined in conjunction with topics covered in CHEM 342 - Organic Chemistry II. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: CHEM 342 - Organic Chemistry II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**CHEM 390 - Chemistry Research I (1)**

This is the first of a three semester sequence dedicated to a capstone research project that will culminate in a written scientific manuscript and verbal presentation in CHEM 491. In this class, students will select a research mentor, and write a literature review and research proposal. Prerequisites: SCNC 389 - Scientific Writings and Readings and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with SCNC 390 and BIOL 390. Spring.

**CHEM 420 - Inorganic Chemistry (3)**

Periodicity, descriptive inorganic chemistry, reactions, mechanisms, coordination chemistry, and organometallics will be covered. Prerequisites: CHEM 342/CHEM 342L - Organic Chemistry and Lab, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**CHEM 440 - Advanced Organic Chemistry (3)**

Further emphasis on reactivity, mechanisms, and synthesis in organic chemistry. Prerequisites: CHEM 342/CHEM 342L - Organic Chemistry II and Lab. Offered on demand.

**CHEM 460 - Biochemistry (4)**

Students will learn how to process and examine the principles of chemistry in the contexts of protein structure and function, enzyme kinetics and inhibition, carbohydrates, membranes, nucleic acids and metabolism. This course also includes a laboratory component. Prerequisites: CHEM 341/CHEM 341L - Organic Chemistry I and Lab and BIOL 315 - Genetics or BIOL 330 - Cell Biology. Spring, even years.

**CHEM 461 - Physical Chemistry I (3)**

Thermodynamics laws, thermodynamics potentials, entropy, chemical, and physical equilibria. Prerequisites: MATH 165 - Calculus I, MATH 166 - Calculus II, and CHEM 342 - Organic Chemistry II. Co-requisite: CHEM 461L - Physical Chemistry I Lab. Fall, even years.

**CHEM 461L - Physical Chemistry Lab I (1)**

Laboratory work to accompany CHEM 461 - Physical Chemistry I which covers basic experiments in physical chemistry. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: CHEM 461 - Physical Chemistry I. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**CHEM 462 - Physical Chemistry II (3)**

Elementary principles of quantum mechanics, atomic and molecular orbitals, a review of basic spectroscopes and their applications, and kinetics of chemical reactions. Prerequisites: MATH 166 - Calculus II, CHEM 461/CHEM 461L - Physical Chemistry I and Lab. Co-requisite: CHEM 462L - Physical Chemistry II Lab. Spring, odd years.

**CHEM 462L - Physical Chemistry Lab II (1)**

Laboratory work to accompany CHEM 462 - Physical Chemistry II, which covers basic experiments in physical chemistry. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: CHEM 462 - Physical Chemistry II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**CHEM 470 - Spectroscopy (3)**

This is a study of organic compound identification by spectroscopic methods. Techniques included are UV/Vis, IR, H-NMR, C-NMR, multi-nuclear NMR, two-dimensional NMR. Prerequisites: CHEM 341/CHEM 341L - Organic Chemistry I and Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**CHEM 480 - Lab Practicum (1-2)**

Course designed for the student to gain experience in the preparation and execution of the laboratory experience. Students assist the instructor in course instruction. Prerequisite: Junior or senior standing, restricted to education majors only. Offered on demand. S/U grading only.

**CHEM 490 - Chemistry Research II (1)**

Student will conduct research on the topic that was chosen in CHEM 390 between themselves and their selected mentor. This will include the implementation of the research proposal, literature review, and maintaining a close relationship with the mentor. It is imperative during this course that the students maintain accurate notes, address any potential problems of the research, and begin working on the written report. The written report will be collected in CHEM 491. Cross-listed with BIOL 490 and SCNC 490. Fall.

**CHEM 491 - Chemistry Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work. This is a capstone course and is required of all chemistry majors except those in chemistry education. Restricted to graduating seniors. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**CHEM 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**CHEM 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**CHEM 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc. to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**CHEM 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**CHEM 496 - Study Tour (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**CHEM 497 - Chemistry Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**CHEM 499 - Special Topics (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific area of chemistry. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of the department chair. Prerequisites: CHEM 122/CHEM 122L - General Chemistry II and Lab.

**CJ - CRIMINAL JUSTICE****CJ 201 - The Criminal Justice System (3)**

An introductory overview of the American criminal justice system, including the police, courts, probation, jails, prisons and parole systems. The emphasis is on the U.S., but comparisons with criminal justice systems in other societies may be included. Cross-listed with SOC 225. Spring, even years.

**CJ 253 - Juvenile Delinquency (3)**

The study of juvenile delinquency is a specialized area of study within sociological criminology. The course typically provides a review of the history of the legal and social evolution of delinquency, the major social science theories of delinquency, the relevance of the social context for delinquency, institutional responses to juvenile delinquency in law enforcement and corrections, and the development of public policies that apply to juvenile delinquency. Cross-listed with SOC 253 - Juvenile Delinquency. Spring, odd years.

**CJ 297 - Internship (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**CJ 310 - Sex and Drugs in Society (3)**

The course will cover the relationship between drug use and crime in society alongside the social and political policies that control trafficking, abuse, and drug-related crime. The course will also examine a range of sex crimes, deviance, and society's social control of sexual behavior. Cross-listed with SOC 310. Spring, even years.

**CJ 320 - Deviant Behavior (3)**

Instead of asking why some people are different, this course asks why some people are treated differently. An analysis of the social processes which result in the social definition and reaction to behavior as deviant in the context of families, social networks, subcultures, and agencies of social control. Cross-listed with SOC 320. Fall, even years.

**CJ 325 - Research Methods (3)**

Introduction to research methods in social and behavioral sciences, with emphasis on the scientific method, research design, data collection, and data analysis strategies of experimental, observational, and survey research methods. Prerequisite: ENGL 120 - College Composition or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with HIST 325, POLS 325 and SOC 325. Spring.

**CJ 326 - Criminal Investigation (3)**

This course provides a brief overview of scientific methodologies used in crime detection, forensic sciences, investigative theory, and techniques for case management and documentation. Areas of focus include collection and preservation of evidence, the concept of proof, the impact of emergent technology in the investigative process, interacting with victims and witnesses, interviewing/interrogation, and trial preparation. Particular emphasis may be placed on the investigation of particular types of crimes, for example, homicides, sex offenses, child abuse, hate crimes, and so forth. Fall, even years.

**CJ 351 - Introductions to Corrections (3)**

This course is intended to provide students with the knowledge and skills necessary to address political and social issues related to corrections and to provide students with an important knowledge base for jobs or careers that involve corrections. The course includes a review of the history of punishment; alternatives to imprisonment through jails, probation, fines, and other intermediate sanctions; the various types of correctional systems found in state, local, federal, and private sectors; the custodial, management, and treatment functions of corrections; male, female, juvenile, and special offender clients of correctional agencies, the rights of correctional clients; the re-integrative correctional functions of parole and community programs; and the future trends and issues of corrections. Cross-listed with SOC 351. Fall, odd years.

**CJ 361 - Victims and Victimology (3)**

Examines the various forms of family violence in relation to child abuse, battering, incest, and sexual assault. Topics include society's perceptions of victims, theories of victimization, the nature of victimization, patterns of victimization, recent societal responses to the problems of victims, treatment, and prevention. Particular attention is given to the victim rights and compensation, fear of crime measuring victimization, and the impact of victimization on the individual. Cross-listed with SOC 361. Fall, odd years.

**CJ 365 - Ethics in Criminal Justice (3)**

The study of criminal justice ethics, including ethics in law enforcement, courts, and correctional systems. Emphasis on the institutional, structural, and cultural foundations of ethical dilemmas. Spring, odd years.

**CJ 385 - Criminology (3)**

Sociology has been the core field in the study of crime in this century. The course reviews the contributions of sociologists including a comparison of public opinion on crime with the observations which arise from social theory and research on crime. Special features of the course include a review of major issues such as guns and crime, drugs and crime, and capital punishment. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with SOC 385. Spring, odd years.

**CJ 386 - Policing in America (3)**

Fundamental issues relevant to contemporary public policing in America: role and history of police; impact on crime, disorder, and other social problems; discretion and its control; moral hazards; police legitimacy and public support; police culture and the police organization; and community policing. Fall, odd years.

**CJ 497 - Criminal Justice Internship (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**COMM - COMMUNICATIONS****COMM 110 - Fundamentals Of Public Speaking (3)**

Study of and practice at the basic principles of effective communication. Composition and delivery for public speaking and the skills of listening receive emphasis. Students will prepare and deliver at least three speeches. Fall, Spring.

**COMM 111H - Honors Public Speaking (3)**

Accelerated study of and practice of principles of effective communication. Composition and delivery of speeches designed to enhance qualified students rhetorical, critical thinking, and listening skills. Students will prepare and deliver at least three speeches and one group presentation. To be used in place of COMM 110 - Fundamentals of Public Speaking. Fall.

**COMM 205 - Voice and Articulation (3)**

Students study and implement techniques of breathing, posture, resonance, volume control, articulation, and intonation as these relate to comprehensible and appealing vocal production. Assignments will primarily utilize news and commercial copy for media announcing, and the course will include a brief introduction to that profession. Offered on demand.

**COMM 211 - Oral Interpretation (3)**

Students learn to appreciate literature while entertaining the classroom audience. Various vocal and physical techniques are discussed and prose, poetry, and drama selections are rehearsed and performed. Student confidence, expressiveness, and empathy are increased. Fall.

**COMM 212 - Interpersonal Communication (3)**

Study of the dynamic elements of personal communication between people. Discussions cover perception, the verbal and nonverbal tools of communication, listening, personal disclosure, conflict management, and relationship development. Class activities include readings, in-class exercises, and analyses of examples found in everyday life. Increases the range of choices students can make in their personal interactions. Spring, odd years.

**COMM 216 - Intercultural Communication (3)**

Explores the opportunities and barriers that occur when people from different cultures communicate. Promotes an atmosphere in which cultural differences can be understood and appreciated. Some field trips and guest lectures. Fall, Spring.

**COMM 235 - Introduction to Digital Media (3)**

This course entails an introductory study of the history, scope, influence, and use of digital media in terms of technology, content, and delivery. Various technologies and platforms are studied and/or utilized, including the study and/or use of certain types of social media. With a focus on principles and practices of effective and ethical communication, students will learn how to develop, deliver, and analyze messages through digital media. Offered on demand.

**COMM 280 - Understanding Film and Television (3)**

A basic analysis of film and television history, form, and function. Includes background lectures, film and television program viewing, and discussions. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**COMM 291 - Communication Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**COMM 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**COMM 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**COMM 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**COMM 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**COMM 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**COMM 297 - Communication Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**COMM 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval of the department chair.

**COMM 308 - Argumentation (3)**

An introduction to the philosophical development, the basic components and types, and the practical application of argument. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**COMM 310 - Advanced Public Speaking (3)**

In-depth study of and practice at speech composition and delivery. Informative, persuasive, and occasional speaking are included. Students adapt their speeches to various audiences other than their classmates. Both composition and presentation skills are increased. Prerequisite: COMM 110 - Fundamentals of Public Speaking or COMM 111H - Honors Public Speaking. Spring, odd years.

**COMM 313 - Persuasion (3)**

The study of theories from public speaking and psychology about the use of communication to influence people. Students practice the composition and delivery of persuasive messages in a variety of situations (i.e., public address, advertising, interpersonal). Students also write critical analyses of selected persuasive messages from contemporary society. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**COMM 317 - Organizational and Group Communication (3)**

A survey of effective communication techniques in small problem-solving and decision-making groups, including group dynamic and leadership methods in a variety of organizational settings. This course also studies the role of group facilitators and officers; and the appropriate use of parliamentary procedures in formal proceedings. Fall, even years.

**COMM 320 - Contemporary Communication (3)**

The study of the ever-changing world of electronic communication. Discussions and assignments will cover the current methods of communication, from the social media to instant video, text and other forms of electronic broadcast. It will study the ramifications to human interaction as well as ethical issues that arise. Prerequisite: COMM 212 - Interpersonal Communication. Spring, even years.

**COMM 380 - Video Production (3)**

Introducing students to basic digital video techniques, this course focuses on digital technology, camera technique, nonlinear editing basics, storytelling, and acting for the camera. Students will produce at least three short films. Offered on demand.

**COMM 410 - Public Relations (3)**

The study of the theory, practice and ethics of public relations in regional, national and international contexts. The various processes of public relations will be examined along with specific case studies. Pre-requisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**COMM 491 - Communication Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. COMM 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**COMM 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**COMM 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**COMM 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**COMM 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**COMM 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**COMM 497 - Communication Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**COMM 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval of the department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline.

**CSCI - COMPUTER SCIENCE****CSCI 101 - Introduction To Computers (3)**

A broad survey course covering current and emerging technologies in the computer and information technology fields. Computer hardware concepts, including peripheral, communication, and networking hardware, will be covered. Various computer software will be explored, including: operating systems, browsers, search engines, email, word processing, spreadsheets, database management and presentation software. Best practices for troubleshooting, maintenance and internet safety will be explored. Ethical issues will be evaluated. Fall, Spring.

**CSCI 120 - Computer Programming I (3)**

Introduction to computer programming in a high level programming language. Emphasis on problem solving and logical thinking. Design, implementation and testing of programs for small-scale problems using elementary data types and control structures. Fall.

**CSCI 160 - Computer Science I (4)**

An introduction to computer science including problem solving, algorithm development and structured programming in a high-level, object-oriented language. Emphasis on design, coding, testing and documentation of programs using accepted standards of style. Prerequisites: CSCI 120 - Computer Programming I or equivalent programming experience, MATH 103 - College Algebra or an equivalent math placement score. Spring.

**CSCI 161 - Computer Science II (4)**

Advanced concepts in computer science including data structures, algorithm analysis, searching, sorting, file I/O, and object-oriented programming. Prerequisite: CSCI 160 - Computer Science I. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**CSCI 174 - Intermediate Programming In C++ (4)**

Intermediate-level programming in C++/Visual C++ language. Topics include abstract data types and their implementation using the C++ class mechanism; dynamic data structures, including linked lists, stacks, queues, trees and hash table; recursion; sorting and searching; object-oriented programming and software reuse; and STL container classes and iterators. Prerequisite: CSCI 161 - Computer Science II. Spring.

**CSCI 181 - Web Management (3)**

The course covers the creation and management of information on the World Wide Web. The use of HTML, CSS, JavaScript, XML, and PHP will be introduced. Prerequisite: CSCI 160 - Computer Science I. Spring, even years.

**CSCI 185 - Linux Operating Systems (3)**

This course introduces students to the Linux Operating System. Students will become familiar with basic Linux commands entered through the BASH shell for file system management, editing, printing, and process control as well as basic network administration and maintenance. Students will also learn how to use Linux graphical user interfaces and applications. Prerequisite: CSCI 160 - Computer Science I. Fall, odd years.

**CSCI 200 - Database Software Applications (3)**

The course is an introduction to database software and database concepts. Many of the fundamentals of using database software will be introduced. Students are exposed to the important operations common to most database software. The course will demonstrate the value of using a database management system to store and retrieve information. The students will be presented with the basic design and implementation strategies for the development of online databases. The course provides practice in applying the database software to various business applications and is taught using a hands-on approach in the microcomputer laboratory. Prerequisite: CSCI 101 - Introduction to Computers, or CSCI 120 - Introduction to Computer Programming. Fall.

**CSCI 210 - PC Hardware and Software Management (3)**

An introduction to PC management and maintenance. Topics include operating systems, repair fundamentals, computer security, maintenance and trouble-shooting for PC hardware and software. This course includes hands-on projects. Prerequisite: CSCI 160 - Computer Science I. Fall, odd years.

**CSCI 220 - Computer Aided Design (3)**

An introduction to the language of graphics used in engineering and technology using CAD software. After completing this course, students will be able to navigate the CAD user interfaces, use the fundamental features of CAD, use the precision drafting tools in CAD to develop accurate technical drawings and present drawings in a detailed and visually impressive way. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**CSCI 221 - Computer Networks (3)**

This course provides a basic understanding of computer networks. Topics covered include data communication concepts, communications switching techniques, network topologies, and network protocols. The class also covers client-server applications, local area networks and wide area networks. Prerequisite: CSCI 160 - Computer Science I. Fall, even years.

**CSCI 230 - Computer Science Practicum (1)**

Does not meet as a class but encourages student participation in Computer Science Club and related events. Students may repeat the course four times of which two credits will count toward the major or minor. The course is not applicable to Computer Science Education Minors. Prerequisite: Admission by consent of the Department of Mathematics and Computer Science. Cross-listed with MATH 250. Offered on demand. S/U grading only.

**CSCI 291 - Computer Science Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work. Research and discussion of some aspect of computer science. This course is designated as a writing intensive course. Prerequisite: CSCI 160 - Computer Science I. To be taken the spring semester before graduation. Spring.

**CSCI 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**CSCI 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**CSCI 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by the department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**CSCI 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**CSCI 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**CSCI 297 - Computer Science Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**CSCI 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**CSCI 300 - Programming Languages (3)**

A study of the major principles of programming language design and use, including language evaluation criteria, syntax, semantics, identifiers, binding, scope, data types, control structures, types of branching, subprograms, and exception handling. Types of languages will be examined, such as imperative, object-oriented, functional, and logic. Prerequisite: CSCI 160 - Computer Science I. Spring, even years.



**CSCI 301 - Software Engineering (3)**

This course is a detailed examination of processes used to create software. Topics include the life cycle, metrics, risk management, project planning and management, and agile development methods used in software engineering. Prerequisites: CSCI 160 - Computer Science I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**CSCI 303 - Scripting Programming (3)**

Scripting languages require a very different style of programming than system programming languages such as C or Java. Scripting languages are often typeless and usually provide methods for a more rapid development of applications than typical system programming languages. This course provides an introduction to the script programming paradigm, and introduces programming for web-based and mobile applications. Prerequisite: CSCI 161 - Computer Science II. Spring, odd years.

**CSCI 310 - Advanced Computer Programming In Java (4)**

Advanced Java is a comprehensive study of many advanced Java topics. These include classes and objects, assertions, collections, bit manipulation, network programming, remote method invocation, and Java database connectivity. Prerequisite: CSCI 174 - Intermediate Programming in C++. Fall, odd years.

**CSCI 342 - Object Programming With Data Structures (4)**

An introduction to data abstraction with the use of object-oriented programming. Introduces the analysis and comparison of algorithms. Considers some of the classic approaches to tasks such as sorting and searching. Explores several traditional abstract data types such as stacks, queues, binary trees, and heaps. Broadens the students' programming skills by concentrating on topics such as recursion and the use of pointers. Prerequisites: CSCI 174 - Intermediate Programming in C++ and, MATH 208 - Discrete Mathematics, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**CSCI 360 - Database Management (4)**

This course introduces the fundamental concepts of relational database systems and design. Emphasis will be on the design, the architecture and the implementation of relational databases. Students will be exposed to Structured Query Language (SQL), which is a universal query language for relational databases, using high-end relational database software packages. Prerequisite: CSCI 160 - Computer Science I. Fall, odd years.

**CSCI 370 - Computer Organization (4)**

The structure and organization of computer hardware. This includes processor design, machine language, performance measurement, memory hierarchy, and data representation and assembler. Prerequisite: CSCI 160 - Computer Science I. Fall, even years.

**CSCI 401 - Object-Oriented Analysis and Design (4)**

This course covers incremental software development using an object-oriented approach. Specific topics include use case scenarios, UML diagrams including sequence diagrams, refactoring, and an introduction to the most essential design patterns used in object-oriented programs. A team programming project is required. Prerequisites: CSCI 301 - Software Engineering and CSCI 310 - Advanced Computer Programming in Java. Spring, even years.

**CSCI 420 - Algorithm Analysis and Theory (4)**

Basic techniques for designing and analyzing algorithms, and an introduction to the theory of computation. Topics include methods for showing upper and lower bounds on time and space costs, sorting, searching, dynamic programming, divide-and-conquer, greedy methods, NP-Completeness, reduction proofs, and an introduction to algorithms. Prerequisite: CSCI 342 - Object programming with Data Structures. Spring, odd years.

**CSCI 430 - Operating Systems (4)**

Resource management, I/O programming, machine structure, and memory management. Prerequisites: CSCI 174 - Intermediate Computer Programming in C++, CSCI 342 - Object Programming with Data Structures, CSCI 370 - Computer Organization and ENGL 120 - College Composition or ENGL 121H - Honors Composition. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**CSCI 485 - Data Mining (4)**

This course introduces basic concepts and techniques of data mining. Topics include data representation, data visualization, data classification, association discovery and analysis, cluster formation and analysis, evaluation and validation, and data mining applications. Prerequisites: CSCI 360 - Database Management and MATH 305 - Probability and Statistics. Spring, even years.

**CSCI 486 - Social Implications of Computing (3)**

Exploring the social, moral, ethical, and legal ramifications of computing power on both today's society and the individuals in this society. We will assess many of the positive and negative effects on individuals and society, and learn to think critically about current and future uses of computers. Prerequisites: Junior Standing and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**CSCI 489 - Computer Science Capstone (2)**

Computer science topics from the curriculum are reviewed and their application to specific computer science areas is explored. This course further develops information technology soft skills in the student. These skills include critical thinking, problem solving and collaboration. Prerequisites: CSCI 160 - Computer Science I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. To be taken the spring semester prior to graduation. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**CSCI 491 - Computer Science Seminar (1-6)**

This course is designed to further develop information technology soft skills in the student. These skills include written communication, oral presentation, listening, problem solving and collaboration. Prerequisites: CSCI 160 - Computer Science I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**CSCI 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**CSCI 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**CSCI 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**CSCI 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**CSCI 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**CSCI 497 - Computer Science Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**CSCI 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**DANC - DANCE****DANC 104 - Modern Dance (1)**

Introduction to modern dance technique focusing on alignment, strength and flexibility. Offered on demand.

**DANC 105 - Jazz Dance (1)**

Introduction to jazz dance as an American art form with emphasis on flexibility and patterning. Offered on demand.

**EC - EARLY CHILDHOOD****EC 291 - Education Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. It is open only by the consent of the instructor.

**EC 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**EC 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**EC 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**EC 295 - Service Learning (1-6)**

Credit may be granted for extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**EC 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**EC 297 - Early Childhood Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**EC 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**EC 310 - Introduction to Early Childhood Education (3)**

This course is an orientation to the field of early childhood education covering the history, theories, philosophy, and goals of early childhood education. Emphasis is on the teacher's role and responsibilities as an early childhood professional, the preferred learning environment, and appropriate teaching approaches and learning content for meeting individual differences and cultural diversities of young children. This course is a prerequisite for all other courses required for kindergarten endorsement.  
Prerequisite: Admission to Teacher Education. Fall.

**EC 313 - Language and Literacy in Early Childhood (3)**

This course examines language and literacy development in children from birth to five years of age, including the role of English language learners and language development for exceptional learners. This course leads students to examine the purposes and appropriateness of both daily and longer term planning of teacher-facilitated language and literacy experiences for young children. Questions to be addressed include these: What underlying philosophies guide language and literacy curriculum development for young children? How can language and literacy content and curriculum be made developmentally appropriate for toddlers, preschoolers and kindergartners? Students will study, critique and create short- and long-term plans for incorporating language and literacy in the curriculum utilizing North Dakota's Early Learning Guidelines and the ND Curriculum Content Standards. Although appropriate content for infants and toddlers will be included, the primary focus of this course is preschool and kindergarten curricula and instruction. Prerequisite: Admission to Teacher Education. Fall.

**EC 323 - Observation and Assessment in Early Childhood (3)**

This course is designed to provide an overview of the appropriate use of observation and assessment strategies to document development, growth, play and learning in order to join with families and professionals in promoting the early childhood student's success. Recording strategies, rating systems, portfolios and multiple assessment methods are explored, as well as how to use assessment data to inform teaching responses, strategies and curriculum planning. Using observation to inform, prevent and solve problems in behavior management through the identification and application of appropriate child guidance strategies will also be covered. Students will be expected to administer and score assessment instruments used in early childhood classrooms and to present this information in a concise and coherent manner. Requires a field experience component of observation/participation in an early childhood classroom, which provides the pre-service teacher with experiences in observation and assessment. Prerequisites: Admission to Teacher Education and EC 310 - Introduction to Early Childhood. Spring.

**EC 324 - Early Childhood Curriculum, Methods and Materials (3)**

Students will analyze and evaluate developmentally appropriate early childhood curricula. Emphasis is on designing curriculum to enhance the young child's ability to construct knowledge through exploration and experimentation in all domains through the creation and management of learning environments that capitalize on "work through play", computer technology and learning activities and materials that are concrete, manipulative, real and relevant to the lives of young children. Curriculum development focuses on inquiry, reading and language arts, health and safety, mathematics, science and social studies utilizing the North Dakota Early Learning Guidelines and the North Dakota Curriculum Content Standards for Kindergarten. Requires a field experience component of observation/participation in an early childhood or kindergarten classroom, which provides the pre-service teacher with experiences in activity preparation, classroom management, and facilitation skills and applications. Prerequisites: Admission to Teacher Education and EC 310 - Introduction to Early Childhood Education. Spring.

**EC 491 - Education Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. It is open only by the consent of the instructor. EC 491 is a capstone course. Prerequisites: Admission to Teacher Education and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's the Writing Across the Curriculum/Writing in the Disciplines program.

**EC 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**EC 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**EC 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**EC 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**EC 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**EC 497 - Early Childhood Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**EC 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**ECON - ECONOMICS****ECON 105 - Elements Of Economics (3)**

Survey of economic principles for students planning no further formal study of economics. Emphasis on the methods of economic analysis, economic thinking, and the articulation of key economic principles. Introduction to economic models, and to the visualization of seemingly complex, real economic problems. Applications of economic theory to the understanding of everyday economic events. Offered on demand.

**ECON 106 - Global Economics (3)**

This course introduces students to the world economy. Students will study globalization and connect the historic patterns and development to current topics in international economics. Students will learn about the international organizations that influence economic development, policy, and trade (the WTO, World Bank, IMF, BIS). Students will engage in a comparative study of economic systems. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**ECON 201 - Principles Of Microeconomics (3)**

Nature, method, and scope of economic analysis: economic scarcity, resource allocation, supply and demand, production and cost, product and resource market structures, distribution of income, and international trade. Open to freshmen. Pre- or Co-requisite: MATH 103 - College Algebra. Fall, Spring.

**ECON 202 - Principles Of Macro-Economics (3)**

Study of the underlying causes of short and long-term economic growth; analysis of aggregate levels of output, income and employment; inflation, interest rates and exchange rates; macroeconomic policy; understanding of the United States economy as part of a world economic system. Prerequisite: MATH 103 - College Algebra. Fall, Spring.

**ECON 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ECON 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**ECON 299 - Special Topics, Reading (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**ECON 303 - Financial Institutions and Monetary Policy (3)**

A study of the economic principles governing financial markets and institutions. Introduction to financial markets and to the valuation of financial assets. Monetary and fiscal policies for control of the business cycle; powers of the Federal Reserve; current topics in money, banking, and financial markets. Prerequisites: ECON 201 - Principles of Micro-Economics and ECON 202 - Principles of Macro-Economics. Cross-listed with FIN 300 - Financial Institutions and Markets.

**ECON 341 - American Political Economy (3)**

Political Economy addresses the relationship between government and the market. Within this broad scope, political economy incorporates questions of the role of government in the market – a question that has long been fundamental to discussions of American government and the state of our economy. This course will begin by setting a foundation in both economics and politics. Topics will then include the historical development of relations between the state and market, incorporating progressive understandings, the New Deal, and Keynesian and classical understandings of the economy. The course will address topics such as social welfare, income inequality, globalization, and financial crises. Fall, odd years.

**ECON 351 - International Political Economy (3)**

International Political Economy (IPE) brings together both international politics and international economics in interdisciplinary study. In a period of globalization, this raises the question of how we pursue our national interest in an increasingly interdependent world. This course will focus on the primary theoretical perspectives, international financial institutions, and key issues in IPE such as monetary relations, financial crises, and trade. Offered on demand.

**ECON 399 - Special Topics, Reading (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ECON 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ECON 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**ECON 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**EDUC - EDUCATION****EDUC 198 - Pre-Professional Experience: General (1)**

Students taking this course will meet the requirements of having a field experience prior to pre-service teaching. This course is designed for an individual to work with learners in an educational environment other than the traditional school classroom. Open only with the consent of the department chair. S/U grading only. Offered on demand.

**EDUC 250 - Introduction to Education with Field Experience (4)**

A study of teaching as a profession, including historical, philosophical, social, and psychological foundations of education. This course will provide a general overview of all aspects of the teaching profession and serve as a general introduction to all professional education courses. Students will gain an understanding of DSU's teacher education them and model and be given opportunities to apply their skills in peer teaching exercises. Through participation in the course, students will evaluate their commitment to becoming a professional education. This course includes structured observations to expose students to a variety of teaching/learning scenarios across the K-12 spectrum. Fifteen hours will be spent in area schools at the elementary, middle and high school levels. Additionally 15 hours of virtual field experiences and case studies will be completed on the DSU Campus. Introduction to Education with Field Experience begins the teacher education sequence, and students will apply for provisional admission to teacher education during this course. Fall, spring. Course fee required.

**EDUC 280 - Education of Exceptional Learners (3)**

This course introduces both elementary and secondary education students to students being served under an IEP in school systems. Distinctive characteristics and special needs of learners in each of the major categories are addressed. Collaboration models for working with Special Education teachers are presented. Provisions of PL 94-142 and later amendments are also discussed. Students will investigate and select adaptations and modifications for different exceptionalities related to the subject area being learned and observe inclusive classrooms. Prerequisite: Admission to Teacher Education. Co-requisite: EDUC 300 - Teaching for Diversity. Fall, Spring.

**EDUC 291 - Education Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. It is open only by the consent of the instructor.

**EDUC 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**EDUC 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**EDUC 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**EDUC 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**EDUC 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**EDUC 297 - Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**EDUC 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Reading in educational and various specific academic discipline. Requires approval by department chair.

**EDUC 300 - Teaching For Diversity with Field Experience (3)**

This class addresses InTASC standard 2, adopted by CAEP and North Dakota. It will help students better understand students in culturally diverse classrooms as well as prepare them to teach about cultural diversity. This class examines several cultures but is particularly interested in Native Americans of North Dakota, which fulfills the requirement for North Dakota certification. The course will also examine ethnicity, race, socioeconomic status, gender, exceptionalities, language, religion, sexual orientation and geographical area. This course is structured to provide students the opportunity to make observations and connect theory/practice in an authentic fashion through field experiences with K-12 students throughout the exceptionalities continuum, from diverse backgrounds, and with a variety of learning gifts and needs. Prerequisites: Admission to Teacher Education and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisites: EDUC 280 - Education of Exceptional Learning and EDUC 398D - Diversity and Exceptionalities Field Experience. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring. Course fee required.

**EDUC 398D - Diversity and Exceptionalities Field Experience (1)**

This field experience is designed to provide students the opportunity to make observations and connect/theory practice in authentic educational settings with K-12 students throughout the exceptionalities continuum, from diverse backgrounds and with a variety of learner differences and needs. Prerequisite: Admission to Teacher Education. Co-requisites: EDUC 300-Teaching for Diversity and EDUC 280-Education of Exceptional Learners. Fall, Spring.

**EDUC 305 - Philosophy and Curriculum of Middle School (2)**

Students will explore the historical development of the middle school concept, its current practices, and future trends. Taking into consideration the physical and emotional changes which occur with students at this age level, the students will compare the philosophy of middle schools with the more traditional junior high philosophy. Students will explore the development of a curriculum for middle school based upon the middle school concepts learned in class. Prerequisite: Admission to Teacher Education. Spring.

**EDUC 310 - Methods of Teaching in Middle School (2)**

Students will learn how to design instruction which best complements the implications of the physical and emotional changes occurring within middle school students. Emphasis will be placed on cooperative learning, small group learning, and individual learning (i.e. contract learning). The development of integrated thematic units will be a major thrust for this course. The implementation of Teacher Expectations and Student Achievement (TESA) as a vehicle for classroom management will be an integral part of this course. Prerequisite: Admission to Teacher Education. Spring.

**EDUC 350 - Portfolio Preparation (1)**

This course is a uniquely-designed experience within the teacher education program. The course uses an integrated approach for preparing students to become effective decision-makers in the education profession. This final product will be an electronic professional portfolio in Live Text using a variety of technology hardware and software. Students will gain experience with narrative writing, reflection, electronic portfolio formatting, portfolio rubric assessment, and presentation. Admission into the teacher education program and prior knowledge of computers is expected. Prerequisite: Admission to Teacher Education. Fall, Spring.

**EDUC 360 - Managing the Learning Environment (3)**

This course is intended to give teacher education students a view of the wide range of classroom management styles being utilized today, as well as the theories behind those styles. The course will use a variety of teaching methods, including: lecture, group activities, case study, on-line discussion boards, videos, and guest speakers. The goal is to provide students with a broader understanding of why classroom management is critical in today's learning environment. Prerequisite: Admission to Teacher Education. Co-requisites: ELED 398B - Elementary Methods Block Field or SEED 398B - Secondary Methods Block Field Experience, ELED 398C - Elementary Field Experience: Mentoring in the Classroom or SEED 398C - Secondary Field Experience: Mentoring in the Classroom or EDUC 398D - Diversity and Exceptionalities Field Experience. Fall, Spring.

**EDUC 390E - Health Education Methods (2)**

Development and practice of methods, materials, and strategies for comprehensive school health education. Emphasis on lesson planning and delivery as they pertain to the content areas within Health Education.

Prerequisites: Admission to Teacher Education and HPER 217 - Personal and Community Health. Co-requisites: SEED 398B - Secondary Methods Field Experience I or SEED 398C - Secondary Methods Field Experience II. Spring.

**EDUC 390P - Methods of Teaching K-12 Physical Education (3)**

This course emphasizing current best practices regarding teaching methods, materials, techniques, and curriculum planning for students pursuing a K-12 physical education certification. Prerequisite: EDUC 250 - Introduction to Education. Co-requisites: EDUC 390E - Health Education Methods, SEED 398B - Secondary Methods Block Field Experience or SEED 398C - Secondary Methods Block Field Experience II. Spring.

**EDUC 405 - Educational Psychology (2)**

A study of the applications of psychological theory to K-12 educational settings. The main goal of educational psychology is to help pre-service teachers apply the psychological and educational knowledge base in the classroom setting. Special emphasis will be placed on the application of learning theories and theories of development. This course enhances the pre-service teacher's understanding of K-12 learners and the ability to put the theories of educational psychology to appropriate use in the classroom. Prerequisites: PSYC 111 - Introduction to Psychology, PSYC 250 - Developmental Psychology (elementary education majors) or PSYC 353 - Adolescent Psychology (secondary education majors), Admission to Teacher Education (or permission of the department chair) and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**EDUC 406 - Instructional Design, Technology and Assessment (3)**

Through this course, students will learn and apply principles of instruction design, assessment, and best practices in technology integration to plan lessons, create and interpret assessments, and differentiate to meet diverse learner's needs in different environments (e.g., in-person, blended, and online). Students will learn how to use technology to enhance student communication and collaboration and digital, global citizenship. This course explores the utilization of a variety of assessments including formal, informal, formative, summative, authentic, and self-assessment to enhance and guide the instructional process. Record keeping, simple analytics, and data driven instructional decision-making are emphasized. Prerequisites: Admission to Teacher Education and CSCI 101 - Introduction to Computers. Fall, Spring.

**EDUC 491 - Education Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. It is open only by consent of the instructor. EDUC 491 is a capstone course. Prerequisite: Admission to Teacher Education, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**EDUC 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**EDUC 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**EDUC 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**EDUC 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**EDUC 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**EDUC 497 - Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**EDUC 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**EDUC 501 - Educational Foundations (3)**

This course will look at the historical, legal, and intellectual development of education in the United States, including the traditional and contemporary philosophical thoughts and their educational implications. Topics will include principles of effective human learning and the teacher as a facilitator of learning experiences. This course will also examine the current issues and trends influencing educational practice. Graduate status required.

**EDUC 505 - Exceptional Learners (3)**

This course introduces the MAT student to students being served under an IEP in school systems. Distinctive characteristics and special needs of learners in each of the major categories of exceptionality are addressed. Collaboration models for working with Special Education teachers are presented. Provision of PL 94-142 and later amendments are also discussed. Students will investigate and select adaptations and modifications for different exceptionalities related to the subject area being learned and will observe professionals working with exceptional students. Graduate status required.

**EDUC 511 - Cultural Diversity in a Complex World (3)**

This course will examine curriculum and pedagogy from the perspective that all students, regardless of the group to which they belong, such as those related to gender, social class, ethnicity, race, culture, religion, or exceptionality, should be ensured educational equity in school. This course will promote attitudes and teaching strategies that meet the needs of diverse students, families and communities. Graduate status required.

**EDUC 513 - Literacy in the Content Areas (2)**

This course will examine the content, instructional methodologies, and evaluation techniques for reading in the content classes. Participants will learn teaching strategies to enhance students' learning of subject matter while developing their literacy. Graduate status required.

**EDUC 514 - Content Area Teaching Strategies (2)**

This course examines specialized methods and classroom practices appropriate to the specific subject area, including curriculum planning, effective instructional and assessment strategies and collaboration with other professionals who teach courses in the same content area. Graduate status required.

**EDUC 515 - Childhood and Adolescent Psychology (3)**

This course involved the study of human change during the development periods of childhood and adolescence. Emphasis is given to theories biological, cognitive, and psychosocial development including typical developmental tasks and problems that children face. Graduate status required.



**EDUC 516 - Teaching Middle Grade and Children's Literature in the Elementary Classroom (3)**

This course will focus on a broad spectrum of classic and contemporary works of children's and middle grade literature as it relates to deepening literacy and the selection of literary texts that promote children's and adolescents' learning. There is also a focus on teaching strategies for various grade levels, that include literature-based strategies appropriate for all elementary content areas. Graduate status required. Fall.

**EDUC 517 - Cross-curricular Literacy in the Elementary Classroom (3)**

This course will focus on teaching literacy across the curriculum, specifically developing cross-curricular literacy skills in students, which enable them to interpret and compose texts across different elementary disciplines such as math, science, social studies and the arts. Graduate status required. Spring, Summer.

**EDUC 518 - Teaching and Learning in the Elementary Classroom (3)**

This course focuses on research-based teaching that fosters the joint acquisition of new knowledge in elementary education students. Teaching strategies that promote learning as an active and constructive process in which students participate in their own learning, such as inquiry-based learning, convergent and divergent thinking, and experiential learning. Graduate status required. Spring.

**EDUC 519 - Teaching Math in the Elementary Classroom (3)**

This course is focused on research-based, inquiry-oriented and concept teaching practices supported by the National Council of Teachers of Mathematics that promote reasoning and problem-solving, facilitate meaningful mathematical discourse, and build procedural fluency from conceptual understanding. An examination of teaching strategies that have been shown to be effective in teaching math, such as CRA, Universal Design and others will be analyzed and implemented. Graduate status required. Spring.

**EDUC 520 - Theory and Practice of Classroom Management (3)**

This course will introduce students to theories of classroom organization and management that address student learning, diversity and development. Models for organization and management of the classroom environment, materials and procedures will be discussed, as will models for identifying, preventing and resolving behavior problems and promoting personal and social responsibility. All models considered in the course will be examined in light of application to experiences in the school setting. Graduate status required.

**EDUC 521 - Curriculum Design, Delivery and Assessment (3)**

This is an inquiry-based course for the reflective practitioner to develop deep understandings of curriculum content emphasized by PK-12 state and national Common Core State Standards and their impact on college readiness skills. It will include an examination of current trends in curriculum design theory and assessment strategies and their application in teaching and learning. The emphasis will be on the relationship of current research to contemporary practice. Graduate status required.

**EDUC 531 - Educational Research (3)**

This course will provide an examination of the research techniques most commonly used in education, and an evaluation of the strengths, weaknesses, and applications of each framework. Students will also analyze and reflect on educational research and its ability to inform practice, and will acquire strategies to promote the efficacy of using and understanding data to make actual improvement in K-12 schools. Graduate status required.

**EDUC 541 - Integrating Technology into the Learning Environment (3)**

This course is intended for educators at all levels of technology proficiency, from novice to experienced, whose aim is to enhance their capacity to use technology as a tool for teaching and learning. Established educational technology standards will guide students in the course in preparing instructional systems that feature a variety of teaching techniques and technological resources. Students will examine a range of traditional and emerging technologies and the research describing best practices when using those tools to facilitate and assess learning. Students will synthesize course concepts with their own experiences in elementary and secondary education. Graduate status required.

**EDUC 574 - Capstone/Portfolio (1)**

This course is a specifically-designed capstone experience within the MAT program that requires students to synthesize and evaluate their teacher education preparation content and pedagogical knowledge by demonstrating their proficiencies within a digital portfolio. This portfolio demonstrates students' mastery of the InTASC Model Core Teaching Standards. Graduate status required. Prerequisite: Admission to School of Education. Fall, spring.

**EDUC 575 - Student Teaching Internship (6)**

Supervised student teaching with a focus on planning, implementing, and assessing instruction for whole classes and individual students, as well as professional goal setting and professional development. This internship involves the completion of 12 weeks supervised student teaching to meet teacher licensure requirements. Graduate status required. Course fee required.

**EDUC 585 - Action Research (3)**

This course provides the knowledge and skills to design an action research project. Students will learn the steps and protocol associated with action research and will be required to design an action research project on a specific pedagogical topic in a school setting. Prerequisite: EDUC 531 - Educational Research. Graduate status required.

**EDUC 591 - Education Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. It is open only by consent of the instructor. Graduate status required.

**EDUC 592 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued. Graduate status required.

**EDUC 593 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center. (Maximum eight credits may be applied to graduation.) Graduate status required.

**EDUC 594 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair. Graduate status required.

**EDUC 595 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U graded. Graduate status required.

**EDUC 596 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only. Graduate status required.

**EDUC 597 - Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair. Graduate status required. Course fee required.

**EDUC 599 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair. Graduate status required.

**EDUC 2000 - Continuing Education (0-6)**

Designation as a professional non-degree course that cannot be applied to an undergraduate or graduate degree.

**ELED - ELEMENTARY EDUCATION****ELED 238 - Children's Literature (3)**

Students will become familiar with a wide variety of literature from different genres (e.g., realistic fiction, historical fiction, modern fantasy, traditional literature, nonfiction, and poetry) and in different formats (e.g., novels, picture books, and graphic novels) for preschool through middle-school-aged children and the authors and illustrators of those works. Students will develop and collect instructional materials and activities for use in the classroom. Students will learn and apply strategies for infusing children's literature into all content areas. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**ELED 281 - Reading for the Elementary Teacher (3)**

This basic course is designed to prepare teacher education students how to teach children to read. Students will have the opportunity to explore the history of reading instruction, review and analyze research, and participate in elementary classrooms. Topics covered will include theories of reading, phonemic awareness, phonics, vocabulary development, comprehension, and literacy assessment. This course focuses on the learning to read and reading to learn processes. This course is part of the elementary methods block in fall semester. Fall, Summer.

**ELED 282 - Reading Across Curriculum and Content Reading (3)**

Teacher Education students will extend and integrate their knowledge of how to teach children to read and how to assist the reading to learn process into content areas. Also, teaching techniques to improve reading ability in content materials, vocabulary development, comprehension strategies, study skills, and preparation for individual learning differences are included. This course is part of the elementary methods block in spring. Prerequisite: Admission to Teacher Education. Co-requisite: Elementary Methods Block - Spring; ELED 398B - Methods Block Field Experience I or ELED 398C - Methods Block Field Experience II. Spring.

**ELED 290X - Mathematics for Elementary Teachers II (3)**

A course designed for elementary education majors to study elementary mathematics topics. Various materials and pedagogy will be incorporated that support typical elementary topics, including the Common Core Standards. Topics include number theory, fractions, decimals, percentages, and proportional reasoning. This course is part of the elementary methods block in spring semester. Prerequisite: Admission to Teacher Education and MATH 277 - Mathematics for Elementary Teachers. Co-requisite: Elementary Methods Block - Spring; ELED 398B - Methods Block Field Experience I or ELED 398C - Methods Block Field Experience II. Spring.

**ELED 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ELED 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**ELED 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair. Prerequisite: Admission to Teacher Education.

**ELED 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**ELED 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**ELED 297 - Elementary Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**ELED 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**ELED 300 - Elementary Curriculum and Language Arts (3)**

Language arts in the elementary curriculum is examined with emphasis on contemporary views such as Common Core State Standard alignment. Resource acquisition methods are included, such as using Internet resources to access on-line lesson plans, instructional strategies, teaching units, and activity materials. Students prepare lesson and unit plans and may have the opportunity to teach language arts lessons in the elementary classroom. Students will be encouraged and supported to make connections between theory and practice as they observe and participate in elementary classrooms. This course is part of the elementary methods block in fall semester. Prerequisites: Admission to Teacher Education and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: Elementary Methods Block - Fall; ELED 398B - Methods Block Field Experience I or ELED 398C - Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ELED 310 - Elementary Curriculum and Social Studies (3)**

Students are exposed to social studies content that focuses on developing reflective thinking skills and citizenship education within a global context and multiple disciplines. Appropriate teaching models and strategies are examined, including problems, issues, and trends associated with social studies instruction. This course allows students to experience preparing unit/lesson plans and other instructional materials at various grade levels, with an emphasis on creating a quality social studies curriculum integrating literature that is rooted in the traditions of democratic, social justice and place-based education. This course includes peer teaching and peer critiquing and is part of the elementary methods block of courses. Prerequisite: Admission to Teacher Education. Co-requisite: Elementary Methods Block - Spring; ELED 398B - Methods Block Field Experience I or ELED 398C - Methods Block Field Experience II. Spring.

**ELED 383 - Diagnosis and Correction of Reading Disabilities (2)**

Students will experience the process of identifying children's reading deficiencies and the process of developing an instructional plan through the assessment process. Students will learn to administer and interpret a wide variety of individual informal and formal assessment instruments. A lab experience consists of working directly with children to assess, plan, and provide intervention for identified needs. The culminating activity is a written case-study on participants. Prerequisites: Admission to Teacher Education and ELED 281 - Reading for the Elementary Teacher. Co-requisite: ELED 484 - Practicum in Reading. Fall.

**ELED 390A - Creative Arts for Elementary Teacher (3)**

Required for the elementary teacher in grades 1 - 8 explores creative development in children and provides strategies for promoting creativity and imagination. Content will include practical and creative experiences in a variety of art media, developing skills of using music in the classroom, and explores using drama as a tool for teaching. Prerequisites: Admission to Teacher Education and ART 122 - Two-Dimensional Design; Co-requisite: Elementary Methods Block - Spring; ELED 398B - Methods Block Field Experience I or ELED 398C Methods Block Field Experience II. Spring.

**ELED 390M - Elementary Music Methods (3)**

Through many varied teaching projects the student will investigate the Dalcroze, Orff, Kodaly, and other current methodologies for teaching music in the elementary grades. All learning activities are experiential-based. Some field service is required. Prerequisites: Junior standing and Admission to Teacher Education and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**ELED 390P - Teaching Physical Education and Health in the Elementary School (1)**

The course serves as a precursor to pre-service teachers in elementary physical education. Areas covered include pedagogy, methodology, curriculum development, classroom observation, assessment, philosophy, reflective decision-making, and classroom management. This course also includes peer teaching and development of a unit plan. This course is part of the elementary methods block in spring semester. Prerequisites: Admission to Teacher Education, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: Elementary Methods Block - Spring; ELED 398B - Methods Block Field Experience I or ELED 398C - Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**ELED 390S - Elementary Education Science Methods (3)**

Students develop an understanding of integrating science curriculum in an elementary classroom. Included will be a focus on inquiry learning, instructional strategies, resources and materials, technologies, and state and national curriculum standards. The assessment of students' learning in science is also presented. This course is part of the elementary methods. Prerequisite: Admission to Teacher Education. Co-requisite: Elementary Methods Block - Fall; ELED 398B - Methods Block Field Experience I or ELED 398C - Methods Block Field Experience II. Fall.

**ELED 390X - Teaching Mathematics in Elementary and Middle School (3)**

In this course, students will explore curriculum standards and best teaching practices for effectively teaching mathematics to diverse learners in grades 1-8. Students will explore ways to make mathematics content and practices accessible to all learners including by using concrete manipulatives, technology, and differentiated instruction. Current issues in the field and techniques for remediation and enrichment will also be covered. Students will have the opportunity to prepare lesson plans and assessments for the primary, intermediate, and middle grades and integrated unit plans. Students may have the opportunity to present lessons to students in area schools and will explore the connections between theory and practice. This course is part of the elementary methods block in fall semester. Prerequisites: MATH 277 - Mathematics for Elementary Teachers, MATH 278 - Mathematics for Elementary Teachers II and admission to Teacher Education. Co-requisites: Elementary Methods Block - Fall, ELED 398B - Methods Block Field Experience I or ELED 398C—Methods Block Field Experience II. Fall.

**ELED 398B - Elementary Methods Block Field Experience I (1)**

A course designed as an intensive 30-hour field experience in an elementary classroom. Students will have specific responsibilities for lesson planning, lesson execution, and reflective evaluation. The experience is structured to provide students an opportunity to apply strategies and theories studied in the co-requisite education courses. Prerequisite: Admission to Teacher Education. Co-requisites: either the Elementary Methods Block - Fall or the Elementary Methods Block - Spring. Fall, Spring. Course fee required.

**ELED 398C - Elementary Methods Block Field Experience II (1)**

A course designed as an intensive 30-hour field experience in an elementary classroom. Students will have specific responsibilities for lesson planning, lesson execution, and reflective evaluation. The experience is structured to provide students an opportunity to apply strategies and theories studied in the co-requisite education courses. Prerequisite: Admission to Teacher Education and ELED 398B - Elementary Methods Block Field Experience I. Co-requisites: either the Elementary Methods Block - Fall or the Elementary Methods Block - Spring. Fall, Spring. Course fee required.

**ELED 484 - Practicum in Reading (1)**

This course is a clinical experience in a school setting. The student will spend 20 hours working with children who are experiencing difficulties in reading. Students are required to submit a report summarizing the diagnostic and remedial procedures completed. Prerequisite: Admission to Teacher Education. Co-requisite: ELED 383 - Diagnosis and Correction of Reading Disabilities. Fall.

**ELED 491 - Elementary Education Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. Requires approval by instructor and department chair. Prerequisite: Admission to Teacher Education.

**ELED 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ELED 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**ELED 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair. Prerequisite: Admission to Teacher Education.

**ELED 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**ELED 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**ELED 497 - Elementary Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**ELED 498A - Teaching in the Elementary School (13)**

Twelve-week block of supervised teaching in elementary grades. Prerequisites: Admission to Teacher Education and satisfactory completion of Portfolio Review. Fall, Spring. Course fee required.

**ELED 498B - Teaching in the Elementary School: Early Childhood (7)**

A 165 hour block of supervised teaching in kindergarten or early childhood education. Students will teach in a kindergarten or early childhood setting full days for six weeks. Prerequisites: Admission to Teacher Education, EC 310 - Introduction to Early Childhood Education, EC 313 - Language and Literature in Early Childhood, EC 323 - Observation and Assessment in Early Childhood, EC 324 - Early Childhood Curriculum, Methods, and Materials, and satisfactory completion of portfolio review. Fall, Spring. Course fee required.

**ELED 498K - Teaching in Elementary and Early Childhood Classrooms (15)**

Fourteen-week block of supervised teaching - 7 weeks in elementary in a grade 1-6 classroom and 7 weeks in a kindergarten or early childhood classroom. Prerequisites: Admission to Teacher Education, EC 310 - Introduction to Early Childhood Education, EC 313 - Language and Literature in Early Childhood, EC 323 - Observation and Assessment in Early Childhood and EC 324 - Early Childhood Curriculum Methods and Materials, and satisfactory completion of portfolio review. Fall, Spring. Course fee required.

**ELED 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**ENGL - ENGLISH****ENGL 110 - College Composition I (3)**

Guided practice in college-level reading, writing, and critical thinking. In addition, students will review the fundamentals of English grammar: punctuation, usage, sentence structure, and paragraphing. Student must have an ACT English score of 18 or higher or an equivalent score in other placement tests or take ASC 087 as a prerequisite. Fall, Spring.

**ENGL 111H - Honors Composition I (3)**

Accelerated reading, writing, and critical thinking activities designed to enhance qualified students well-developed skills of language use. Students with an ACT score of 26 or above or an SAT score of 1770 or above may be allowed into ENGL 111H or ENGL 121H with permission of the TRHLP Director and the Chair of the Language and Literature Department. Fall.

**ENGL 120 - College Composition II (3)**

Advanced practice in college-level writing from sources and in applying rhetorical strategies. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. Fall, Spring.

**ENGL 121H - Honors Composition II (3)**

Accelerated practice of college-level writing for qualified students who demonstrate advanced skills of research and argumentation. Prerequisite: ENGL 111H - Honors Composition I. Students with an ACT score of 26 or above or an SAT score of 1770 or above may be allowed into ENGL 111H or ENGL 121H with permission of the TRHLP Director and the Chair of the Language and Literature Department. Spring.

**ENGL 210 - College Composition III (3)**

Advanced development of writing skills emphasizing sophisticated knowledge and practice of rhetoric and style. Prerequisites: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall online; other times on demand.

**ENGL 211 - Introduction to Creative Writing (3)**

Guided practice in writing skills related to the imaginative uses of language. Prerequisites: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ENGL 213 - Literary Publications (3)**

Introduction to creative magazine publishing. Prerequisites: ENGL 110 or ENGL 111H and ENGL 120 or ENGL 121H. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**ENGL 215 - Introduction to English Studies and Professions (3)**

This course will introduce students to conventions found in studying English and writing, including literary theory and research. The course will explore career opportunities for English students. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**ENGL 220 - Introduction to Literature (3)**

Introduction to Literature is a course that fulfills the general education requirements for literary expression and multicultural and global experience. The course consists of reading and discussion of representative examples of poetry, drama, and fiction from diverse cultural perspectives, emphasizing the use of common literary terms and skills as methods of critical thinking. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite recommended. Fall, Spring, Summer.

**ENGL 225 - Introduction to Film (3)**

The study of filmed drama, especially motion pictures, as a literary form. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite recommended.

**ENGL 232 - Mythology (3)**

A study of representative myths, legends, and folklore from various cultures with emphasis upon the literary aspects of myth. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite recommended.

**ENGL 236 - Women And Literature (3)**

The study of literary texts by and about women including gender roles as a literary theme. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite recommended.

**ENGL 240 - Masterpieces of World Literature (3)**

World Literature explores representative literary and cultural materials from the ancient world to modern times. Readings include selected works from varied genres and cultural epochs. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite recommended. On-line, Spring; other times as needed.

**ENGL 250 - Masterpieces of British Literature (3)**

A survey of major works and writers in British literature from the Anglo-Saxon period to the present. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite strongly recommended. Fall.

**ENGL 260 - Masterpieces of American Literature (3)**

A survey of American writers from the British colonial period to the present. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition or ENGL 121H - Honors Composition II co-requisite recommended. Fall.

**ENGL 265 - Native American Literature (3)**

The study of literature written by and about Native Americans, ranging from the early 19th century to the present. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite recommended.

**ENGL 280 - Sophomore Project (1)**

In consultation with a faculty advisor the student develops a research, pedagogical or creative project resulting in a presentation to an audience of students and faculty from the Department of Language and Literature during the annual Language and Literature Conference. All students are required to register their projects and provide a project summary to the department for assessment purposes. Prerequisites: 12 semester hours of English and consent of the instructor and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 288 - Collaborative Writing and Special Projects (1-6)**

Under the supervision of a faculty member, students engage in collaborative writing in internships or special projects that develop work-related skills associated with the English and Writing disciplines. Opportunities may include special projects for personal and academic growth, or cooperative ventures or traditional internships with on- and off-campus departments, agencies, and other organizations. Regardless of the project, students will develop writing skills and special projects that could not otherwise be developed in regularly scheduled coursework. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 291 - English Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**ENGL 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ENGL 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**ENGL 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**ENGL 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**ENGL 296 - Study Tour (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**ENGL 297 - English Internship, Externship, Cooperative Education (1-6)**

Students will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**ENGL 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**ENGL 300 - Professional and Technical Writing (3)**

This class is designed for students who desire to expand their writing skills for future careers in a range of fields. Projects will include writing abstracts and summaries, descriptions, instructions, proposals, and reports for different audiences and in different media. This study will include issues of standard usage and style as related to effective technical writing. Prerequisites: ENGL 110, College Composition I or ENGL 111H, Honors Composition I and ENGL 120, College Composition II or ENGL 121H, Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**ENGL 305 - Writing About Literature (3)**

Students develop advanced critical thinking and composition skills as they read and write about literature from different perspectives using multiple sources. Prerequisites: ENGL 110 - College Composition I or ENGL 111H - Honors Composition and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**ENGL 310 - Advanced Creative Writing (3)**

Students in Advanced Creative Writing will develop projects of their own choosing in consultation with the instructor and bring these projects through drafts and revisions to finished products suitable for publication. Prerequisites: ENGL 211 - Introduction to Creative Writing, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**ENGL 315 - Structure and History of English (3)**

Structure and History considers the historical and linguistic influences that have shaped English into the international language of the modern world. The study emphasizes the historical development of English from its prehistoric Indo-European roots to its modern varieties, and it also explores the socio-linguistic contexts of its varieties, dialects and registers. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 320 - Modern Grammar (3)**

This course introduces students to modern theories of descriptive grammar and the practical application of that knowledge in sentence analysis. It will introduce students to the forms and basic structures of English grammar and syntax, and how the transformation and expansion of those basic sentence patterns create the diversity we encounter in written and spoken varieties of English. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Alternate, Fall semesters.

**ENGL 325 - Shakespeare (3)**

This study of the drama of the most influential of British writers includes representative plays from the histories, tragedies, comedies, and romances as well as the historical and literary backgrounds that have influenced the plays. Prerequisites: ENGL 250 - Masterpieces of British Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 350 - Studies in American Literature (3)**

This advanced course in American Literature considers a theme, genre, or movement of importance in American letters. Students should expect to do independent research leading to presentations. Recent topics have included: Contemporary Fiction, African American Literature, and The Short Story. Prerequisites: ENGL 260 - Masterpieces of American Literature I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 355 - Studies in Major American Writers (3)**

Students study the work of one or more writers of significance in American letters. The seminar requires students to do thorough literary research and writing. Recent topics have included: Mark Twain, Charles Johnson, and Ralph Ellison. Prerequisites: ENGL 260 - Masterpieces of American Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 360 - Studies in Drama (3)**

This occasional course focuses on a particular aspect of dramatic literature including backgrounds and criticism. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 370 - Studies in Fiction (3)**

This occasional course considers selected works of narrative prose fiction not covered by studies in poetry and drama, exploring their forms, themes, and criticism. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 380 - Studies in Poetry (3)**

This occasional course focuses on particular aspects of the criticism, history, and techniques of poetry, including issues of style and prosody. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 382 - Adolescent Literature (3)**

Students will study representative examples of literary materials appropriate for teaching in middle and high schools, including both middle grade and young adult literature. Course topics include literary analysis of texts across a range of genres, use of literature to promote adolescent literacy and learning, selection of literary texts and teaching strategies for various grade levels and subjects, identification of reading deficiencies, and development of intervention plans to meet secondary students' reading needs. Spring.



**ENGL 405 - British Medieval Literature (3)**

In British Medieval Literature students read the early literature of Britain from the Old English through the Middle English periods, inclusive of Chaucer. Prerequisites: ENGL 250 - Masterpieces of British Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 415 - British Renaissance Literature (3)**

British Renaissance Literature emphasizes the literature of the 16th-17th Century exclusive of Shakespeare. Prerequisites: ENGL 250 - Masterpieces of British Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 420 - Brit Restoration & 18th Cent Literature (3)**

This course includes representative literature following the reestablishment of the British monarchy through the Regency Period. This course emphasizes the work of Dryden, Swift, Pope, Johnson, Richardson, DeFoe, and Austen. Prerequisites: ENGL 250 - Masterpieces of British Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 425 - British Romantic Literature (3)**

British Romantic Literature emphasizes the work of the six great writers of the Romantic Period, 1785-1830. This includes Blake, Wordsworth, Coleridge, Keats, Byron, and Percy Shelley. The works of Wollstonecraft, Mary Robinson, De Quincey, and other period writers may also be examined. Prerequisites: ENGL 250 - Masterpieces of British Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 430 - British Victorian Literature (3)**

Students enrolled in Victorian Literature study literature from the Victorian Era, 1830-1901. This includes works of writers such as Dickens, Carlyle, George Eliot, the Brontes, the Brownings, Tennyson, Arnold, and Hardy. Other period writers may also be examined. Prerequisites: ENGL 250 - Masterpieces of British Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 435 - Modern British Literature (3)**

Modern British Literature focuses on the British and Anglophone literature of the 20th and 21st centuries. This includes works of writers such as Yeats, Woolf, Forster, Joyce, Lawrence, T.S. Eliot, and Beckett. The works of contemporary writers such as Pinter, Stoppard, Lessing, Achebe, and Heaney may also be examined. Prerequisites: ENGL 250 - Masterpieces of British Literature and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 440 - Literary Criticism (3)**

Students in Literary Criticism study major movements and theories of literary criticism. This study may include the beginnings of literary theory with Plato and Aristotle, Neoclassical and Romantic theories and the development of New Criticism, and post-modern methods such as Structuralism, Post-Structuralism, New Historicism, Marxism, Feminism, Post-Colonialism, and Cultural Studies. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**ENGL 480 - Senior Project (1)**

In consultation with a faculty advisor the student develops a research, pedagogical or creative project resulting in a presentation to an audience of students and faculty from the Department of Language and Literature during the annual Language and Literature Conference. All students are required to register their projects and provide a project summary to the department for assessment purposes. Prerequisite: 24 semester hours of English and the consent of the instructor and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 488 - Collaborative Writing and Special Projects (1-6)**

Under the supervision of a faculty member, students engage in collaborative writing in internships or special projects that develop work-related skills associated with the English and Writing disciplines. Opportunities may include special projects for personal and academic growth, or cooperative ventures or traditional internships with on- and off-campus departments, agencies, and other organizations. Regardless of the project, students will develop writing skills and special projects that could not otherwise be developed in regularly scheduled coursework. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 491 - English Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work. ENGL 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**ENGL 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**ENGL 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**ENGL 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**ENGL 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**ENGL 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**ENGL 497 - English Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**ENGL 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**ENTR - ENTREPRENEURSHIP****ENTR 266 - Beginning Entrepreneurship (3)**

This course is currently being offered on-line only. It is structured to give the student a basic understanding of the principle elements necessary to successfully start and run a small business. It is primarily targeted to non-business majors.

**ENTR 366 - Entrepreneurship (3)**

Prepares the student to start a new business; including small business managerial skills such as financing, basic accounting, marketing research and planning, product development, hiring and administering employees, organizational form and tax implications, etc. Students are required to write a complete business plan for a new enterprise. Prerequisites: MRKT 301 - Principles of Marketing, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Business Administration majors must complete all pre-major courses with a "C" or better. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**ENTR 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**ENTR 501 - Creativity and Innovation (3)**

A study of changing market demands, innovation, and new product development from the perspective of marketing management in a business organization. Emphasis is placed on innovation, opportunity identification and selection, new product ideation and concept evaluation, management of the new product process, new product design and development, and strategic launch planning. Graduate level course. Offered on demand.

**ENTR 502 - Ethics in Business and Entrepreneurship (3)**

A study of the social consequences of choice, reconciling conflicting obligations to different stakeholders, and the practical ethics of implementation and management. The course analyzes ethical dilemmas that a contemporary business would face. Topics include the role of business in society, the nature of corporate social responsibility, and the effect of technological, social, political, legal, economic, and environmental issues. Graduate level course. Offered on demand.

**ENTR 503 - Strategic Management and Policy (3)**

An examination of key issues in formulating and implementing business and corporate strategies. The course will address the orientation of top management. Emphasis is placed on diagnosis of what is critical in complex business situations as well as realistic solutions to strategies and organizational problems. Students should take this course within the final two semesters of the program. Students will complete the outbound exam for the ME program as part of the course. Graduate level course. Offered on demand.

**ENTR 504 - New Venture Feasibility and Design (3)**

An exploration of new venture feasibility and design techniques. Topics include business model tools, consumer needs assessment, and viable product or service creation. The course will require the development and pitch of a final business plan. Students should complete the business foundation prior to taking this course. Graduate level course. Offered on demand.

**ENTR 505 - Technology Based Entrepreneurship (3)**

A study of technological progress as it pertains to economic growth. The course will examine how technology based entrepreneurship is the link between technological breakthroughs and social value. The course will explore how general principles of technology-based entrepreneurship enhance the timing, impact, and success of entrepreneurial ventures. Graduate level course. Offered on demand.

**ENTR 506 - Legal Aspects of Entrepreneurship (3)**

An examination of the issues that every entrepreneur should understand, from startup to IPO. Topics include legal concerns that arise when employees leave an employer to start a business, creating an appropriate ownership structure, product innovation, fiduciary responsibilities of management, funding the venture, contracting with vendors and customers, understanding responsibilities for hiring and retaining staff, and initial public offerings. Graduate level course. Offered on demand.

**ENTR 507 - Public Relations for Entrepreneurs (3)**

A study of the theory, practice, and ethics of public relations across various contexts with emphasis on entrepreneurship. Topics include research, analysis, planning, tactics, and strategic communication for the development and implementation of a public relations campaign, including concepts of media targeting. Specific case studies in public relations will be examined. Graduate level course. Offered on demand.

**ENTR 508 - Social Entrepreneurship (3)**

An advanced level examination of entrepreneurship in the social or non-profit sector. Investigation of issues surrounding creation and operation of new ventures that address social needs and opportunities. Explores the application of entrepreneurship concepts and principles in a social context. Graduate level course. Offered on demand.

**ENTR 510 - Special Topics in Entrepreneurship (3)**

A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Graduate level course. Offered on demand.

**FIN - FINANCE****FIN 300 - Financial Institutions and Markets (3)**

A study of the monetary aspects of production, spending, borrowing, and lending decisions; organization, performance and scope of services provided by financial markets and institutions; powers of the Federal Reserve System; monetary policy and limits to credit expansion; regulatory and globalization aspects of relevance to the financial system today. Prerequisites: ECON 201 - Principles of Microeconomics or ECON 202 - Principles of Macroeconomics and BOTE 247 - Spreadsheet Applications. Offered on demand.

**FIN 320 - Personal Finance (3)**

Emphasizes the practical aspects of consumer money management and the development of long and short term personal financial planning. Topics include budgeting, consumer credit, saving and investing, insurance planning, retirement and estate planning, real estate and investments. Spring.

**FIN 326 - Managerial Finance (3)**

A study of financial management, financial markets and institutions, and investments with an emphasis on planning, cash budgets, time value of money, capital budgeting, cost of capital, and financial analysis for a business organization. Prerequisites: Business majors must complete all pre-major courses. Offered on demand.

**FIN 328 - Investments (3)**

A study of investment principles, emphasizing the valuation and management of personal investments, such as stocks, bonds, and mutual funds, analysis of risk and return, and essentials of portfolio management. Prerequisites: ACCT 200 - Elements of Accounting I and ACCT 201 - Elements of Accounting II.

**FIN 426 - Corporate Finance (3)**

Examination of Corporate asset management with emphasis on capital formation, financing mix using equity and debt, dividend policy, working capital management, risk management, mergers and acquisitions, leases, and international financial topics. Prerequisite: FIN 326 - Managerial Finance. Spring.

**FIN 430 - International Finance (3)**

Examines financial management implications of exchange risk exposure, accounting conventions, international constraint on capital flows, international investment management, foreign taxation, and working capital management of international firms. Prerequisite: FIN 326 - Managerial Finance.

**FIN 468 - Cases In Finance (3)**

Emphasizes the application and synthesis of financial theory and applications learned and covered in all previous finance courses. This is accomplished by assignment to students of several finance case problems where students will apply previously acquired skills to derive optimal solutions in a simulated "real world" environment. Prerequisite: FIN 326 - Managerial Finance. Spring.

**FL - FOREIGN LANGUAGES****FL 101 - First Year Foreign Language I (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources.

**FL 101C - First Year Chinese Language I (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources.

**FL 101R - First Year Russian Language I (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources.

**FL 101S - First Year American Sign Language I (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources.

**FL 102 - First Year Foreign Language II (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources. Prerequisite: FL 101 - First Year Foreign Language I.

**FL 102C - First Year Chinese Language II (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources. Prerequisite: FL 101C - First Year Chinese Language I.

**FL 102R - First Year Russian Language II (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources. Prerequisite: FL 101R - First Year Russian Language I.

**FL 102S - First Year American Sign Language II (4)**

An introduction for students who want to acquire the basics of language patterns for a foreign language not included in the catalog for language credit. This course should be taken in sequence and may include Language Laboratory use of language resources. Prerequisite: FL 101 - First Year American Sign Language I.

**FL 201 - Second Year Foreign Language I (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 102 - First Year Foreign Language II or equivalent.

**FL 201C - Second Year Chinese Language I (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 102C - First Year Chinese Language II or equivalent

**FL 201R - Second Year Russian Language I (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 102R - First Year Russian Language II or equivalent.

**FL 201S - Second Year American Sign Language I (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 102S - First Year American Sign Language II or equivalent.

**FL 202 - Second Year Foreign Language II (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 201 - Second Year Foreign Language I or equivalent.

**FL 202C - Second Year Chinese Language II (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 201C - Second Year Chinese Language I or equivalent.

**FL 202R - Second Year Russian Language II (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 201R - Second Year Russian Language I or equivalent.

**FL 202S - Second Year American Sign Language II (4)**

For intermediate or second-year students. Review of first-year courses to increase grammatical and conversational proficiency (listening, speaking, reading, and writing). Concentration on new structures and idiomatic expressions. May include Language Laboratory use of language resources. Prerequisite: FL 102S - Second Year American Sign Language I or equivalent.

**GDES - GRAPHIC DESIGN****GDES 241 - Graphic Design I (3)**

Application and understanding of fundamental graphic design theories and principles. Graphic design layout based in the geometry of the two-dimensional surface relating to the printed page. Emphases on the proper use of traditional design equipment and electronic media. Prerequisite: ART 122 - Two-Dimensional Design. Fall, Spring.

**GDES 291 - Graphic Design Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**GDES 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GDES 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GDES 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GDES 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GDES 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GDES 297 - Graphic Design Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**GDES 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GDES 342 - Graphic Design II (3)**

In-depth study of graphic design using computer hardware and various graphic software as it relates to the production of printed materials such as advertising, publications, packaging, and other marketing display programs. Prerequisites: ART 122 - Two-Dimensional Design and GDES 241 - Graphic Design I. Spring, odd years.

**GDES 343 - Graphic Design III (3)**

In-depth study of graphic design using computer hardware and various software as it relates to the production of printed materials with emphasis on the pre-press and press. The class will move from concept to layouts to finished materials. Prerequisites: ART 122 - Two-Dimensional Design and GDES 241 - Graphic Design I. Fall, odd years.

**GDES 345 - Graphic Design Portfolio Prep. (1)**

Development of a professional portfolio. Actual printed materials are necessary. Prerequisites: GDES 241 - Graphic Design I, GDES 342 - Graphic Design II, and GDES 343 - Graphic Design III. Offered on demand.

**GDES 347 - Web Design (3)**

Study and use of HTML writing software and the application of graphic design principles within those programs for the creation and maintenance of websites. Prerequisites: ART 122 - Two-Dimensional Design and GDES 241 - Graphic Design I or BOTE 218 - Desktop Publishing. Spring.

**GDES 350 - Typography (3)**

The study of letterforms, type design and classification, proportion, and hierarchy. Emphasizes creating original type variations and form manipulation. Students focus on the details of page composition and the relationship of space to clarity, legibility and aesthetics. Prerequisite: ART 122 - Two-Dimensional Design and GDES 342 - Graphic Design II or as co-requisite. Fall.

**GDES 491 - Graphic Design Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. GDES 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**GDES 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GDES 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GDES 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GDES 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GDES 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GDES 497 - Graphic Design Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of hours will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**GDES 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GEOG - GEOGRAPHY****GEOG 121 - Physical Geography (3)**

An introductory survey emphasizing the function of geophysical systems, and ways in which the physical environment integrates with global human activity, both directly and indirectly. These influences act through climate, landforms, soils, and vegetation. Fall, Spring.

**GEOG 161 - World Regional Geography (3)**

A global approach explaining the modern world's great geographic realms and their human and physical contents. Geography as a discipline is introduced by linking human societies and natural environments through a multicultural, regional perspective. Fall, Spring.

**GEOG 262 - Geography of North America (3)**

A regional study of the different physical, economic, and multicultural settings in the United States and Canada which form the basis for the various forms of livelihood. Since a basic goal of geography is landscape analysis and appreciation, heavy emphasis is placed on landscape description and interpretation, including its sequential development. Fall, Spring.

**GEOG 263 - Geography of North Dakota (3)**

Geography of North Dakota is designed to enable the student to understand the process of climate and landscape and how they affect the culture of North Dakota. Topography and the effects of climate in the Northern Great Plains will be discussed. Field trips will be part of the course.

**GEOG 271 - Map Use and Interpretation (1-3)**

Map use and interpretation will cover basic map elements like map scale and projection, and introduce students to the design and construction techniques of thematic maps. It will give students an understanding of maps and their usefulness, and it will also serve as a foundation course for further study of cartography and GIS.

**GEOG 291 - Geography Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work.

**GEOG 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GEOG 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GEOG 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GEOG 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GEOG 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GEOG 297 - Geography Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**GEOG 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GEOG 311 - Process Geomorphology (4)**

Examination of landforms and their formative processes. Topics include weathering and slope, fluvial, coastal, aeolian, glacial and periglacial processes, and the application of soils to geomorphology. Field trip required. Cross-listed with GEOL 311. Prerequisites: GEOL 105/GEOL 105L - Physical Geology/Lab or GEOG 121 - Physical Geography. Fall, odd years.

**GEOG 315 - Weather and Climate (3)**

The physical elements of global weather and climate are studied along with weather analysis and forecasting, winds, clouds, precipitation, storms, air pollution, and weather modification. Emphasis on the application of weather to daily life. Prerequisites: Seven credits of Natural Science course work (credit for GEOG 121 - Physical Geography may be applied to the seven credit prerequisite) and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with SCNC 315. Spring, odd years.

**GEOG 330 - Physical Geography of North Dakota (3)**

Major landforms, rock formations, fossils, and geologic resources of North Dakota. Field trip required. Prerequisite: GEOL 105 - Physical Geology, GEOG 121 - Physical Geography, or permission of instructor. Cross-listed with GEOL 330. Spring, odd years.

**GEOG 361 - Geography of Latin America (3)**

Geography of Latin America will explore the interaction of physical, climatological, cultural, political, and economic factors in shaping the regional geographies of the Caribbean, Middle America, Mexico, and South America, and the relationship of these regions with the global community.

**GEOG 380 - Applied Arc GIS (3)**

Fundamental concepts of Geographic Information Systems (GIS) and their application to natural resource management will be studied. There is heavy computer lab emphasis in this class and students will obtain a working knowledge of the GIS software package ArcGIS Desktop (ESRI) which includes ArcMap and ArcCatalog. Cross-listed with GIS 380. Fall.

**GEOG 444 - Soil Genesis and Survey (4)**

Introduction to soil genesis, morphology, geography, techniques of soil survey; field studies and description of soils. Field trip required. Prerequisite: SOIL 210 - Introduction to Soil Science, GEOL 105/GEOL 105L - Physical Geography/Lab or GEOG 121 - Physical Geography. Cross-listed with SOIL 444. Fall, even years.

**GEOG 452 - Global Issues (3)**

Global issues will be structured as a geography seminar that will comparatively explore a variety of contemporary social, environmental, cultural, and economic issues affecting the world. Globalization, migration, global warming, marriage and family, religion, and technological innovation are some subjects that will be discussed and explored utilizing a variety of sources and media. Spring, alternate years.

**GEOG 454 - Conservation (3)**

Conservation will address geographic principles applied to the analysis of resources and their efficient utilization and management for sustainability. Emphasis is on properly balanced development and the interpretation of the environment at the ecosystem level. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**GEOG 462 - Geography of North America II (3)**

Geography of North America II will explore the interaction of physical, climatological, cultural, political, and economic factors in shaping the regional geographies of the North America. This course will allow for an in-depth analysis of selected topics integral to the study of North America.

**GEOG 463 - Geography of Africa (3)**

A regional analysis of the physical, cultural, economic features of the African continent with primary emphasis focusing upon sub-Saharan Africa.

**GEOG 464 - Geography of South and Southeast Asia (3)**

Geography of South and Southeast Asia will explore South and Southeast Asian countries and regions from the integrated perspectives of geomorphology, climate, culture, politics and economics. Offered on demand.

**GEOG 465 - Geography of East Asia (3)**

Geography of East Asia will explore East Asian countries and regions from the integrated perspectives of geomorphology, climate, culture, history, politics, and economics.

**GEOG 480 - GPS/GIS II (3)**

Concepts of Global Positioning Systems (GPS) technology and GPS related mapping plus Geographical Information Systems (GIS) will be expanded upon with an emphasis on the practical application of these technologies in natural resource management. Main class tasks include: field collection of GPS data with ArcPad (ESRI) along with internet acquisition, analysis, and presentation of GIS data with ArcGIS Desktop (ArcMap and ArcCatalog) software. Students will be expected to generate appropriate self directed GPS/GIS questions, and subsequent GIS reports, and layouts to successfully complete this class. Prerequisite: GIS 380/GEOG 380 - Applied ArcGIS, or appropriate GIS experiences. Cross-listed with GIS 480. Offered on demand.

**GEOG 491 - Seminar In Geography (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. GEOG 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**GEOG 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GEOG 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GEOG 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GEOG 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GEOG 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GEOG 497 - Geography Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**GEOG 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GEOL - GEOLOGY****GEOL 100 - Earth Science (3)**

A broad survey at the introductory level of topics in geology, oceanography, meteorology, and astronomy. These topics are designed to provide a basic understanding of the natural forces at work in our physical environment and enhance appreciation of our planet. Co-requisite: GEOL 100L - Earth Science Lab. Spring.

**GEOL 100L - Earth Science Laboratory (1)**

Laboratory to accompany GEOL 100 Earth Science. Co-requisite: GEOL 110. Spring.

**GEOL 105 - Physical Geology (3)**

The study of minerals, rocks, streams, oceans, glaciers, agents in the formation and modification of the landscape, mountain building, volcanoes, and plate tectonics. Co-requisite: GEOL 105L - Physical Geology Lab. Fall.



**GEOL 105L - Physical Geology Lab (1)**

Laboratory to accompany GEOL 105 - Physical Geology.  
Co-requisite: GEOL 105 - Physical Geology. Fall.

**GEOL 106 - The Earth Through Time (3)**

Study of the physical and biological history of the earth, emphasizing the evolution of life through geological time; special emphasis given to the geology of North Dakota.  
Co-requisite: GEOL 106L - The Earth Through Time Lab.  
Spring, odd years.

**GEOL 106L - The Earth Through Time Lab (1)**

Laboratory to accompany GEOL 106 - The Earth Through Time. Co-requisite: GEOL 106 - The Earth Through Time.  
Spring, odd years.

**GEOL 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GEOL 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GEOL 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GEOL 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GEOL 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GEOL 297 - Geology Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**GEOL 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GEOL 311 - Process Geomorphology (4)**

Examination of landforms and their formative processes. Topics include weathering and slope, fluvial, coastal, aeolian, glacial and periglacial processes, and the application of soils to geomorphology. Field trip required. Cross-listed as GEOG 311. Prerequisites: GEOL 105/GEOL 105L - Physical Geology/Lab or GEOG 121 - Physical Geography. Fall, odd years.

**GEOL 320 - Hydrogeology (3)**

Physical principles of groundwater flow, nature and origin of aquifers and confining units, well hydraulics, groundwater modeling, groundwater chemistry and contaminant transport. Prerequisites: GEOL 105/GEOL 105L - Physical Geology/Lab or SOIL 210 - Introduction to Soil Science, PHYS 211/PHYS 211L - College Physics I/Lab or PHYS 251/PHYS 251L - University Physics I/Lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**GEOL 330 - Physical Geology of North Dakota (3)**

Major landforms, rock formations, fossils, and geologic resources of North Dakota. Field trip required. Cross-listed as GEOG 330. Prerequisite: GEOL 105 - Physical Geology or GEOG 121 - Physical Geography, or permission of instructor. Spring, odd years.

**GEOL 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GEOL 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GEOL 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GEOL 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GEOL 496 - Study Tour (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GEOL 497 - Geology Internship, Externship, Cooperative (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**GEOL 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GERM - GERMAN****GERM 101 - First Year German I (4)**

This course introduces students to the basic language patterns of modern German. Students study everyday life in the German home, school, and workplace. Students are required to participate in Language Laboratory experiences including use of audio tapes and computer programs. Fall, Spring.

**GERM 102 - First Year German II (4)**

This course introduces students to the basic language patterns of modern German. Students study everyday life in the German home, school, and workplace. Students are required to participate in Language Laboratory experiences including use of audio tapes and computer programs. Prerequisite: GERM 101 - First Year German I or equivalent. Fall, Spring.

**GERM 201 - Second Year German I (4)**

This course systematically reviews grammar and introduces the geography, culture, and history of Germany through reading texts of moderate difficulty. The study includes the states, major cities, modes of travel, and customs of Germany. Students are required to participate in Language Laboratory experiences including use of audio tapes and computer programs. Prerequisite: GERM 102 - First Year German II or equivalent. Fall, Spring.

**GERM 202 - Second Year German II (4)**

This course systematically reviews grammar and introduces the geography, culture, and history of Germany through reading texts of moderate difficulty. The study includes the states, major cities, modes of travel, and customs of Germany. Students are required to participate in Language Laboratory experiences including use of audio tapes and computer programs. Prerequisite: GERM 201 - Second Year German I or equivalent. Fall, Spring.

**GERM 291 - German Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**GERM 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GERM 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GERM 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair.  
**UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GERM 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GERM 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GERM 297 - German Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**GERM 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GERM 491 - German Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. GERM 491 is a capstone course.  
**Prerequisite:** ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**GERM 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**GERM 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**GERM 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair.  
**UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**GERM 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**GERM 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**GERM 497 - German Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**GERM 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**GIS - GEOGRAPHIC INFORMATION SYSTEMS****GIS 380 - Applied Arc GIS (3)**

Fundamental concepts of Geographic Information Systems (GIS) and their application to natural resource management will be studied. There is a heavy computer lab emphasis in this class and students will obtain a working knowledge of the GIS software package ArcGIS Desktop (ESRI) which includes ArcMap and ArcCatalog. Cross-listed with GEOG 380. Fall.

**GIS 381 - Geographic Information Systems for Business (3)**

This course introduces the management, analysis and modeling of information based Geographical Information System (GIS) databases. Analyzed are major topics of geodemographics and how such geographical information can be utilized in the decision process to expand globally. International case studies are used to examine how recent decisions have benefited employing GIS based applications. Fall.

**GIS 382 - Applied GPS (3)**

Introduction to the fundamentals and application of Global Positioning Systems (GPS) technology. Students will also learn to integrate the geographic information collected by a GPS unit into a Geographic Information Systems (GIS) program. Prerequisite: GIS 380 - Applied Arc GIS. Spring.

**GIS 480 - GPS/GIS II (3)**

Concepts of Global Positioning Systems (GPS) technology and GPS field mapping plus Geographical Information Systems (GIS) will be expanded upon with an emphasis on the practical application of these technologies in natural resource management. Main class tasks include: field collection of GPS data with ArcPad (ESRI) along with internet acquisition, analysis, and presentation of GIS data with ArcGIS Desktop (ArcMap and ArcCatalog) software. Students will be expected to generate appropriate self directed GPS/GIS questions, subsequent GIS reports, and layouts to successfully complete this class. Prerequisite: GIS 380/GEOG 380 - Applied ArcGIS, or appropriate GIS experiences. Cross-listed with GEOG 480. Offered on demand.

**H&CE - HUMAN & COMMUNITY EDUCATION****H&CE 232 - Philosophy and Policy (3)**

Principles, philosophies, development, and implementation of agricultural education, family and consumer sciences education, business education, and extension programs. Analysis of evolving concepts with emphasis on history, legislation, and principles underlying organization and practice. Spring. This course is offered from North Dakota State University remotely to the DSU campus.

**H&CE 241 - Leadership and Presentation Techniques (3)**

Development of youth leadership professionals in educational settings; methods, principles, and practices in organizing, developing, conducting and evaluating community-based organizations and student leadership programs. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall; Spring, even years.

**H&CE 322 - Agriculture Educational Psychology (3)**

Strong emphasis on educational research; review of human development; emphasis on developmental domains and span of students from young child through high school learning theories, learning styles, and individual student differences including gender, exceptionalities, culture. This course is offered from North Dakota State University delivered remotely to the DSU campus.

**HIST - HISTORY****HIST 103 - United States To 1877 (3)**

This is an introductory survey of U.S. history from Spanish settlement to the Civil War. Major topics include the origins, evolution, and importance of chattel slavery; the political significance of religion in everyday life; the economic, cultural, and political underpinnings of the independence movement; and the wrenching upheavals that ended in the bloodiest conflict in United States history. Fall.

**HIST 104 - United States Since 1877 (3)**

This course is an introductory survey of U.S. history from the end of the Civil War to the close of World War II. Topics covered include the growth of industries and the cities, the rise of Jim Crow in the South, the development of social movements, overseas expansion and war, and domestic reform. Spring.

**HIST 209 - Art History I (3)**

History of painting, sculpture, and architecture from prehistoric to the Gothic era including the cross-cultural influences of early Egyptian, Mesopotamian, Greek, Roman, and Islamic arts on the development of later European arts; also included are early African tribal arts, as well as early Native American and Australian aboriginal arts. Cross-listed with ART 210. This course is rotated in sequence with ART 211 - Art History II in Spring semesters.

**HIST 210 - Art History II (3)**

History of painting, sculpture, and architecture from the early renaissance to the modernism. Includes mannerism renaissance in Northern Europe, baroque, Dutch genre and still life, enlightenment and revolutions, rococo, neoclassicism, photography, and the beginnings of modernism. This course is rotated in sequence with ART 210 - Art History I in Spring semesters and cross-listed with ART 211.

**HIST 211 - World Civilizations To 1500 (3)**

World civilizations begin with earliest histories of organized human life in China, India, Africa, and Mesopotamia and end with Europe's emergence from the Middle Ages around 1500. Fall.

**HIST 212 - World Civilizations Since 1500 (3)**

Moving from the Renaissance through the collapse of Communism, Europe's impact upon the world alongside unique developments in Africa, the Americas, and Asia, are evaluated in terms of attempts to retain their traditional cultural identity in light of wars, new technologies, scientific discoveries, and intense interactions with foreign cultures. Spring.

**HIST 269 - World War II (3)**

A survey of the origin's events, and consequences of the Second World War in Europe and Asia, including some of the diplomatic and political problems encountered by the major belligerents. The course includes an extensive use of documentary film.

**HIST 291 - History Seminar (1-6)**

A capstone course designed to train students in the historians craft by direct application. Under the supervision of an instructor, the student will prepare a 25-30 page topical study based upon current research.

**HIST 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**HIST 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**HIST 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**HIST 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**HIST 296 - Study Tour (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**HIST 297 - History Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**HIST 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**HIST 301 - Colonial America 1000-1754 (3)**

This course is a history of the Colonization of North America up to the 1750's. Students study the Viking voyages, pre-Columbian native societies, the exploration and invasion of the continent by the Europeans. The underlying theme of this course is the long-range causes of American independence. Spring, alternate years.

**HIST 302 - Theodore Roosevelt: Era and Legacy (3)**

This course examines Theodore Roosevelt's leadership qualities and accomplishments within the context of the pivotal events that transformed the era in which the twenty-sixth president lived (1858-1919). Topics to be explored include the American West, the creation of America's informal empire, the Spanish-American War and aftermath international relations, the dawn of the modern presidency, the conservationist impulse, the progressive movement, the rise of business and industry, urbanization, immigration, the fight for women's rights, political reform and the nations response to World War I.

**HIST 304 - The American Revolution (1754-1789) (3)**

The American Revolution created American history by creating a new nation. What the American Revolution was depends to a large extent upon what Americans think they are or ought to be. The goals of this course are twofold: (1) to probe the nature, causes and consequences of the American Revolution; (2) to assess the intentions and behavior of both the framers in 1754-1783 and of the inheritors of modern America. Prerequisites: HIST 103 - United States to 1877 or instructor consent.

**HIST 305 - Defining a Nation 1789-1850 (3)**

This course examines the Early Republic period of U.S. history. With independence won, Americans now had to decide what sort of nation the new country would be. We will examine the debates over issues like the Constitution, westward expansion, and slavery. Topics include the War of 1812, the vicious nature of politics in this era, the Texas Revolution, the Trail of Tears, and the U.S. - Mexican War.

**HIST 307 - The Civil War Era (1846-1877) (3)**

An examination of the causation of the Civil War, followed by a consideration of the major features and developments of the war period. An analysis of the major factors and relationships involved in the "reconstruction" of the federal union are also examined. Prerequisite: HIST 103 - United States to 1877 or instructor consent.

**HIST 310 - History Of North Dakota (3)**

Examination of social, political, and economic evolution of the State from the earliest Native Americans to post-World War II. Prerequisites: HIST 103 - United States to 1877 and HIST 104 - United States since 1877, or instructor consent.

**HIST 325 - Research Methods (3)**

Introduction to research methods in social and behavioral sciences, with emphasis on the scientific method, research design, data collection, and data analysis strategies of experimental, observational, and survey research methods. Prerequisite: ENGL 120 - College Composition or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with CJ 325, POLS 325, and SOC 325. Spring.

**HIST 330 - History of the American West (3)**

Study of successive frontiers accompanying movement from East to West, with emphasis on the social, economic, and political influences of the frontier on American History. Prerequisites: HIST 103 - United States to 1877, HIST 104 - United States since 1877, or instructor consent and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**HIST 335 - Modern Germany (3)**

Beginning with the impact of the French Revolution on the Germans, Germany, and the Germans have played a key role in basically all European affairs in modern European history. Prerequisite: HIST 212 - World Civilizations since 1500 or instructor consent.

**HIST 340 - Modern Britain (3)**

British history since 1485 is a history of the development of parliamentary democracy and of a vast colonial empire. British social and cultural norms came to dominate the thought and behavior of large segments of the ruling elites within the empire. Prerequisite: HIST 212 - World Civilizations since 1500 or instructor consent.

**HIST 344 - The Early Roman Republic (3)**

From humble beginnings Rome grew to become the mightiest empire in the world up until that time - and a mightier and larger one would not arise for nearly a millennium after it fell. We will examine how a small village located around seven hills in what was then a backwater of the Mediterranean world became so powerful, and how it had such a lasting impact on the world that sprang from it. After the death of Caesar came the War of the Second Triumvirate, which involved some of the most powerful and interesting people who have ever lived. This is their story. Offered on demand.

**HIST 345 - History of the U.S. Presidency (3)**

Historical survey of change and continuity in the powers, functions, and structure of the presidency in the United States. Offered on election years. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**HIST 350 - Imperial Russia (3)**

Imperial Russia traces its origins to the reign of Tsar Peter I "the Great" and ends with the Bolshevik revolution of 1917. Prerequisite: HIST 212 - World Civilizations since 1500 or instructor consent.

**HIST 352 - Second World War (3)**

This course examines the origins, nature, and impact of the Second World War. Beginning with a survey of the Great War and its aftermath, it traces the onset of World War II through the eyes of its many participants. As an international or global history of the war, this course covers all military theaters, devoting roughly equal time to operations in Europe and the Pacific. It also examines the wars impact on civilian populations and the manner in which the conflict transformed the economic, social, and political realities of domestic life for the major combatants. Prerequisite: HIST 104 - United States since 1877 or HIST 212 - World Civilizations since 1500.

**HIST 355 - The Russian Federation and Former Soviet Union (3)**

This course focuses on the ideology, political structure of the former Soviet Union and its successor state, the Russian Federation. The Russian Revolutions of 1917 and 1991 will be examined, along with the political and economic factors that resulted in the collapse of the Soviet Communist regime. This course will also explore the transition to democracy and capitalism and the continuing ethnic conflict in the Russian Federation.

**HIST 360 - History of Eastern Civilization (3)**

The History of Eastern Civilization embraces two of the world's oldest civilizations and better than a quarter of its population from ancient times to the present: China and Japan. Prerequisites: HIST 211 - World Civilizations to 1500 and HIST 212 - World Civilizations since 1500 or instructor consent.

**HIST 365 - US Supreme Court and the Constitution (3)**

Survey of the history of the United States Supreme Court, its decisions, and its place in American history. Prerequisites: HIST 103 - United States to 1877, HIST 104 - United States from 1877, and POLS 115 - American Government. Cross-listed with POLS 365. Spring, alternate years.

**HIST 370 - Communicating Our Heritage: Museum Interpretation (3)**

A study of formal and informal learning in museums, focusing on historical interpretation and living history. We deal practically with the problems of developing, conducting, and evaluation interpretative program at historical sites.

**HIST 375 - Middle Ages (3)**

This era of politics and society from the decline of the Roman Empire through the 14th Century has often been falsely described as the Dark Ages. A time of Vikings, Germanic migrations, and feudalism, European civilization revived in the West through powerful secular leaders like Charlemagne and with the reintroduction of Christianity. Western Europe then exported its vision of the world through crusades against the Islamic world. In the East, Byzantium retained its ties to a Greek and Roman past until its final collapse in the 15th Century.

**HIST 380 - Cultural and Intellectual History of Modern Europe (3)**

A critical survey of major trends in 16th-20th century European cultural and intellectual trends. Prerequisite: HIST 212 - World Civilizations since 1500 or instructor consent.

**HIST 382 - Holocaust in Historical Context (3)**

This course introduces student to the historical problems associated with Nazi Germany's systematic mass murder of Europe's Jews between 1933 and 1945. Prerequisite: HIST 212 - World Civilizations since 1500 or instructor consent.

**HIST 385 - Modern America (3)**

This course is a detailed study of United States history from 1945 to the present. Emphasis is placed on the Cold War between the U.S. and the U.S.S.R., American involvement in Vietnam, 1960's idealism, and American politics in the post-Watergate era, including Clinton impeachment. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, alternate years.

**HIST 399 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**HIST 440 - The World Since 1945 (3)**

The World Since 1945 has been molded by the decline of European colonial empires and the rise of globalism and multiculturalism in all its forms. Forces changing our contemporary world include new forms of terrorism, guerilla warfare, and the religious state. The contemporary world, however, is also a world increasingly governed by ideas about international law and commerce, for example, in the evolution of European unification and the role of United Nations in world affairs. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**HIST 491 - History Seminar (1-6)**

A capstone course designed to train students in the historian's craft by direct application. Under the supervision of an instructor, the student will prepare a 25-30 page topical study based upon current research. Prerequisites: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II and 21 credits in History courses. With the consent of the department chair, students may substitute either HIST 496 - Study Tours or HIST 497 - History Internship, Externship, Cooperative Education for HIST 491. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**HIST 492 - Experimentation Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**HIST 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**HIST 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**HIST 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**HIST 496 - Study Tour (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**HIST 497 - History Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**HIST 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**HORT - HORTICULTURE****HORT 270 - Horticulture Science (3)**

Principles of plant classification, structure, function, growth, propagation, culture, and the use of horticultural crops. Covers vegetable and fruit production in the home garden, growing flowers and planting flower beds, and landscaping principles and materials. Offered on demand.

**HPER - HEALTH, PHYSICAL EDUCATION, & RECREATION****HPER 100 - Concepts of Fitness and Wellness (2)**

A course designed for students of all ages. It will teach the facts about exercise, physical fitness and wellness. Major emphasis will be placed on the development and maintenance of a healthy lifestyle. This course will focus on the importance of regular physical activity, nutrition, and making healthy choices. Students will learn to assess their current fitness level and develop their health profile. Students will develop a personal fitness/wellness program that addresses their specific needs and goals. They will also learn to adjust their program as their needs change so it is incorporated into their lifestyle. Fall, Spring.

**HPER 162 - Archery/Golf (1)**

This course is designed to introduce safety procedures and skills of archery and golf. Fall.

**HPER 163 - Racquet Sports (1)**

This course is designed to introduce safety procedures, skills, rules and etiquette of a variety of racquet sports including tennis, racquetball, badminton, pickle ball. Graded.

**HPER 170BB - Baseball - Varsity (1)**

Institutional credit is given for participating in baseball. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170C - Cheerleading - Varsity (1)**

Institutional credit is given for participating in cheerleading. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170FB - Football - Varsity (1)**

Institutional credit is given for participating in football. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170MB - Men's Basketball - Varsity (1)**

Institutional credit is given for participating in men's basketball. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170MG - Men's Golf - Varsity (1)**

Institutional credit is given for participating in men's golf. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170MT - Men's Track - Varsity (1)**

Institutional credit is given for participating in men's track. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170MX - Men's Cross Country - Varsity (1)**

Institutional credit is given for participating in men's cross country. Credits will not fulfill the University's general education requirement. Fall.

**HPER 170R - Rodeo - Varsity (1)**

Institutional credit is given for participating in rodeo. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170SB - Softball - Varsity (1)**

Institutional credit is given for participating in softball. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170VB - Volleyball - Varsity (1)**

Institutional credit is given for participating in volleyball. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170WB - Women's Basketball - Varsity (1)**

Institutional credit is given for participating in women's basketball. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170WG - Women's Golf - Varsity (1)**

Institutional credit is given for participating in women's golf. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170WR - Wrestling - Varsity (1)**

Institutional credit is given for participating in wrestling. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170WT - Women's Track (1)**

Institutional credit is given for participating in women's track. Credits will not fulfill the University's general education requirement. Fall, Spring.

**HPER 170WX - Women's Cross Country - Varsity (1)**

Institutional credit is given for participating in women's cross country. Credits will not fulfill the University's general education requirement. Fall.

**HPER 174 - Varsity Athletic Enhancement (1)**

Advanced athletic training utilizing the Athletic Republic protocol in the Human Performance Center. Institutional credit is given for participation in the varsity enhancement program; credits will not fulfill the university's general education requirement. Varsity athletes, exercise science majors and coaching minors only. Prerequisites: physical and proof of insurance. Fall, Spring.

**HPER 175 - Varsity Athletic Enhancement (1)**

Advanced athletic training utilizing the Athletic Republic protocol in the Human Performance Center. Institutional credit is given for participation in the varsity enhancement program; credits will not fulfill the university's general education requirement. Varsity athletes, exercise science majors and coaching minors only. Prerequisites: physical and proof of insurance, and HPER 174 - Varsity Athletic Enhancement. Fall, Spring.

**HPER 176 - Varsity Athletic Enhancement (1)**

Advanced athletic training utilizing the Athletic Republic protocol in the Human Performance Center. Institutional credit is given for participation in the varsity enhancement program; credits will not fulfill the university's general education requirement. Varsity athletes, exercise science majors and coaching minors only. Prerequisites: physical and proof of insurance and HPER 174 - Varsity Athletic Enhancement. Fall, Spring.

**HPER 177 - Varsity Athletic Enhancement (1)**

Advanced athletic training utilizing the Athletic Republic protocol in the Human Performance Center. Institutional credit is given for participation in the varsity enhancement program; credits will not fulfill the university's general education requirement. Varsity athletes, exercise science majors and coaching minors only. Prerequisites: physical and proof of insurance, and HPER 174 - Varsity Athletic Enhancement.

**HPER 180 - Adapted Activity I (1)**

Activities will be developed as needed for differently abled students who cannot participate in other activity courses. Admission by consent of department chair. Prerequisite: Medical recommendation.

**HPER 181 - Adapted Activity II (1)**

Activities will be developed as needed for differently abled students who cannot participate in other activity courses. Admission by consent of department chair. Prerequisite: Medical recommendation.

**HPER 207 - Prevention and Care of Athletic Injuries (2)**

Students will have the opportunity to acquire lifelong skills and knowledge associated with athletic training. Skills and knowledge that will be covered in the class involve prevention of athletic injuries, care of athletic injuries, taping and bracing, history of athletic training and administrative issues. Students will leave the class with a better understanding on how the athletic trainer provides health care to the athlete. Fall, Spring. Course fee required.

**HPER 208 - Introduction to Physical Education (3)**

An introduction to physical education with emphasis on its historical, cultural, social, and scientific foundations. The course will also explore current issues, fitness issues, and career opportunities; both teaching and non-teaching. Fall.



**HPER 210 - First Aid and CPR (1)**

Instruction in first aid procedures with emphasis on CPR, and for the care of persons who have been injured or suddenly become ill. Includes an in depth study of infectious disease transmission and prevention. American Red Cross Certification. Fall, Spring. Course fee required.

**HPER 215 - Systems and Functional Anatomy for Physical Education (3)**

Explore concepts of human anatomy and physiology. This course will also explore the forces and geometry of human movement as related to physical education. Co-requisite: HPER 215L - Systems and Functional Anatomy for Physical Education Lab. Fall.

**HPER 215L - Systems and Functional Anatomy for Physical Education Lab (1)**

Explore concepts of organ systems, human anatomy and physiology, and the forces and geometry of human movement as related to physical education. Co-requisite: HPER 215 - Systems and Functional Anatomy for Physical Education. Fall.

**HPER 217 - Personal and Community Health (2)**

The study of causes and prevention of health problems at the personal and community level. The main topics will be alcohol, drugs, tobacco, sexually transmitted diseases (STD), and HIV/AIDS. Fall.

**HPER 240 - Principles of Human Nutrition (3)**

Basic concepts of human nutrition and how these principles relate to health and food consumption as a basis for meeting changing nutritional needs. Spring.

**HPER 241 - Introduction to Exercise Science (3)**

Investigation of various Exercise Science career opportunities and an examination of the professional activities and competencies required. Fall.

**HPER 291 - Physical Education Seminar (1-6)**

This course is designed for the exploration of specific topics that are not covered in regularly scheduled course work.

**HPER 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**HPER 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**HPER 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**HPER 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**HPER 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**HPER 297 - Physical Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**HPER 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**HPER 300 - Performance Assessment and Training Prescription (3)**

Students will learn multiple automated and manual physiological and biomechanical assessment procedures applicable to athleticism, with application to training prescription. Prerequisites: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**HPER 316 - Elementary Physical Education Activities, Skills and Methods (3)**

The student will be introduced to movement concepts, skill themes, dance rhythms, gymnastics and game related activities for the K-6 elementary physical education program through participation and peer teaching opportunities. Fall.

**HPER 317 - Middle School Physical Education Activities, Skills and Methods (2)**

Methods, techniques, and skills for teaching grade levels 6-8 activities in Physical Education. Spring.

**HPER 318 - Secondary Physical Education Activities, Skills and Methods (3)**

Methods, techniques, and skills for teaching grade levels 9-12 activities in Physical Education. Spring.

**HPER 320 - Teaching Weight Training (2)**

This course is designed to teach proper lifting and spotting techniques. In addition students will learn accepted principles for strength development. Students will learn to develop general and sport or movement specific programs. Organization of a weight room, equipment selection and safety concerns will also be addressed. Spring

**HPER 328 - Biomechanics (3)**

Basic structural kinesiology and movement analysis applicable to physical education and athletic activities. Prerequisite: HPER 215 - Survey of Human Anatomy or BIOL 220 - Anatomy and Physiology I. Co-requisite: HPER 328L - Biomechanics Lab. Fall, Spring.

**HPER 328L - Biomechanics Lab (1)**

Study of movement analysis with emphasis on anatomical and movement principles. Students will perform exercises and biomechanical experiments designed to complement and enhance lectures. Prerequisite: HPER 215 - Survey of Human Anatomy or BIOL 220 - Anatomy and Physiology I and Lab. Co-requisite: HPER 328 - Biomechanics.

**HPER 330 - Football Coaching (2)**

Rules, fundamentals, offensive and defensive theory, plus various training methods and psychology of team play and coaching. Emphasis on organization and administration. Admission to this class is restricted to junior or senior coaching minors or by permission of the instructor. Fall.

**HPER 335 - Volleyball Coaching (2)**

Rules, fundamentals, offense and defense, techniques, psychology and philosophy, and organization of coaching. This course will additionally deal with weight training, Title IX issues, scorekeeping, officiating, and line judging. There will also be an opportunity to play. "Hands on" experiences and a culminating notebook project are also mainstays of this course. Admission to this class is restricted to junior or senior coaching minors or by permission of the instructor. Fall.

**HPER 340 - Basketball Coaching (2)**

Rules, fundamentals, offensive and defensive play, training, and the psychology of team play and coaching. Admission to this class is restricted to junior or senior coaching minors or by permission of the instructor. Spring.

**HPER 345 - Wrestling Coaching (2)**

Rules, fundamentals, team strategy, training, and the psychology of coaching, and laboratory exercise in basic techniques being used today. Admission to this class is restricted to junior or senior coaching minors or by permission of the instructor. Spring.

**HPER 350 - Track and Field Coaching (2)**

Philosophy, fundamentals, team strategy, training, and psychology of coaching. Emphasis placed on organization and administration of track and field meets. Admission to this class is restricted to junior or senior coaching minors or by permission of the instructor. Spring.

**HPER 355 - Baseball/Softball Coaching (2)**

Rules, fundamentals, team strategy, training for baseball and softball. Special emphasis on organization and administration. Admission to this class is restricted to junior or senior coaching minors or by permission of the instructor. Spring.

**HPER 360 - Adapted Physical Education (2)**

An introduction to the cross-disciplinary theory and practice related to lifetime physical activity for those individuals whose uniqueness of function, structure, or appearance necessitates modifications in the delivery of physical education. Includes working with adaptive students in the physical education setting. Spring.

**HPER 365 - Principles of Corrective Exercise (3)**

Explore concepts of human movement, movement compensation, and use of corrective therapies to improve range of motion, motor control, and quality of movement. Spring.

**HPER 371 - Performance Sport Assessment and Athletic Development I (2)**

Students will assess, design, and administer evidence based training programs, with practical experience leading athletes through the assessments and designed programs. Prerequisites: HPER 241 - Introduction to Exercise Science, HPER 328 - Biomechanics, and HPER 328L - Biomechanics Lab. Pre- or Co-requisite: HPER 300 - Performance Assessment and Training Prescription. Fall, Spring.

**HPER 372 - Performance Sport Assessment and Athletic Development II (2)**

Students will assess, design, and administer evidence based training programs, with practical experience leading athletes through the assessments and designed programs. Prerequisites: HPER 241 - Introduction to Exercise Science, HPER 300 - Performance Assessment and Training Prescription, HPER 328 - Biomechanics, HPER 328L - Biomechanics Lab and HPER 371 - Performance Sport Assessment and Athletic Development I. Fall, Spring.

**HPER 405 - Principles and Practice of Personal Training (2)**

The Principles and Practice of Personal Training course will educate individuals on the knowledge and skill necessary to perform tasks that are critical for safe and competent practice as entry-level- ACE-certified personal trainers. The course will prepare students to take a personal training certificate test. Prerequisites: HPER 328- Biomechanics and HPER 328L - Biomechanics Lab. Spring.

**HPER 410 - Psychology and Sociology of Sport and Exercise (2)**

This course is designed to explore, discuss, and apply the basic tenants of psychology and sociology as they relate to sport and exercise. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**HPER 420 - Organization and Administration of Physical Education (2)**

Study of health, physical education, athletics, recreation, and intramural programs. Special emphasis placed on budgets, policies, programs, staff, equipment, and curriculum. Prerequisites: HPER 208 - Introduction to Physical Education, or permission of instructor and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**HPER 430 - Measurement and Evaluation (2)**

A teaching approach and application to evaluate physical education activities. Special emphasis on administration of tests in physical education for K-12. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**HPER 432 - Physiology of Exercise (3)**

Physiology of the human body with emphasis on the physiological responses and adaptations to chronic exercise (training) in relation to physical fitness. Additional emphasis will be placed on nutrition and body composition and their contributions to athletic performance. Prerequisites: HPER 215 - Survey of Human Anatomy or BIOL 220 - Anatomy and Physiology I, HPER 328 - Biomechanics, HPER 328L - Biomechanics Lab and ENGL 120 - College Composition I or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**HPER 435 - Advanced Exercise Science (4)**

Understanding and application of a wide variety of research design principles and methodology in exercise science. Course will expose students to and develop knowledge of current literature within the topics or Neuromuscular considerations of movement, motor control, biomechanics, basic physiology, and strength and plyometric physiology. Prerequisites: HPER 241 - Athletic Development I, HPER 300 - Performance Assessment and Training Prescription, HPER 328 - Biomechanics, HPER 328L - Biomechanics Lab, HPER 371 - Performance Sport Assessment and Athletic Development I, HPER 372 - Performance Sport Assessment and Athletic Development II, HPER 432 - Physiology of Exercise and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**HPER 491 - Physical Education Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. HPER 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**HPER 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**HPER 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**HPER 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**HPER 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**HPER 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**HPER 497 - Internship (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: Junior status, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**HPER 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**HPER 501 - Coaching Administration & Leadership (3)**

This course provides the students with an understanding in the important principles, concepts, research, and theories of managing a sport organization. Students will develop the ability to apply the management principles to interscholastic and intercollegiate, human resources, strategic planning, sport culture, event management, and leadership as it relates to sport. Graduate status required. Offered on demand.

**HPER 502 - Strength and Conditioning (3)**

This course provides information relative to the foundation of coaching sport conditioning including muscle physiology, bioenergetics, training methodology, exercise technique, program design, and facility management. Students will be given the opportunity to develop a general strength-training program for a specific sport and demonstrate their knowledge relative to proper lifting techniques and training procedures. Graduate status required. Offered on demand.

**HPER 503 - Fundraising & Revenue (3)**

This course applies financial and economic principles to various professional, collegiate, or high school level sport programs as well as exercise-related settings. The course will provide the student with a practical background regarding fundraising for programs and individual sports, the principles of financial management, economic theory, and, the financial performance of a sport organization. Graduate status required. Offered on demand.

**HPER 504 - Sports Law & Governance (3)**

This course provides the student with an understanding of the legal issues involved in supervision, management, and conduct in sport and recreation. Develop an understanding of the governance structure of sport organizations. Focus on functions, roles, key issues, strategic planning, decision-making, and policy development. As well as, regulations of amateur athletics (NAIA, NCAA, NJCAA), and liability for injuries in sports activities. Graduate status required. Offered on demand.

**HPER 505 - Recruiting & Media Relations (3)**

This course prepares students with the tools needed to develop effective student recruitment, marketing and public relations strategies for sports and athletic programs. Topics such as recruiting, social media, marketing, advertising, public relations strategies, consumer behavior, licensing, and sponsorship will be explored. Graduate status required. Offered on demand.

**HPER 506 - Internship (1-6)**

Professional experience through practicum or internship in sport industry. Positions in professional sports, intercollegiate sports, health and fitness clubs, arenas and stadia, sport marketing and management firms, and other sport entities. Directed and evaluated by a faculty member with supervision of an on-site professional. Students complete an analysis paper, and oral summary presentation. Graduate status required. Offered on demand.

**HPER 507 - Cultural Diversity in Athletic Leadership (3)**

The course will examine the role of cultural diversity in a successful athletic program. Students will evaluate ethnicity, race, socioeconomic status, gender, exceptionalities, language, religion, sexual orientation and geographical area as they relate to sport and athletic leadership. This course will promote attitudes and teaching/coaching strategies that meet the needs of diverse students, families, and communities. Graduate status required. Offered on demand.

**IT - INDUSTRIAL TECHNOLOGY (MANUFACTURING)****IT 220 - Drawing and Specification Techniques I (3)**

An introduction to computer aided drafting utilizing drawing and specification software. Fall.

**IT 314 - Production Manufacturing Technology (3)**

Exploration of technology and engineering aspects of automated production systems. It covers all the major cutting edge technologies of production automation and material handling and how these technologies are used to construct modern manufacturing systems. Spring.

**IT 320 - Drawing and Specification Techniques II (3)**

A further study of computer aided drafting using drawing and specification software for advanced dimensioning, blocks, attributes, libraries, and three-dimensional drawing. Prerequisite: IT- 220 Drawing and Specification Techniques I. Spring.

**IT 325 - Applied Specifications (1)**

An introductory course in basic construction and manufacturing documents. The course will include an overview of the methods and procedures of specification writing, and a review of product numerical systems used by industry. Students will read and interpret documents, and evaluate the language used to specify products, equipment and processes typically used in manufacturing and construction.

## LEAD - LEADERSHIP

### LEAD 100H - 21st Century Leadership (3)

What is the best way to demonstrate leadership within society? How should we prepare ourselves as future leaders? The focus of the course is on the ideas relative to leadership and collaborative decision-making techniques most relevant for effective leadership in the 21st Century.

### LEAD 200H - Leadership and Change (1)

Exploration of leadership in a world of change: understanding paradigm shifts and adjusting to dislocation, conflict, confusion, and uncertainty.

### LEAD 296H - Study Tour (1)

Tour arranged and graded by the director of the Theodore Roosevelt program, credit awarded on a pass/fail basis. Recent topics include: Lewis and Clark in North Dakota, Water Resources in North Dakota; Understanding Competing Interests, Energy Development in North Dakota, and Global Warming.

### LEAD 300H - Global Leadership (1)

This course examines a wide variety of contemporary examples of leadership styles with the intent to investigate their long-term application to a more global vision of leadership.

### LEAD 491H - Honors Seminar (3)

This project entails hands-on research where possible. If no opportunity of that nature exists, arrangements will be made for an alternative suitable for both departmental and Theodore Roosevelt Program objectives. LEAD 491H is capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

### LEAD 495H-2 - Service Learning Project (1)

Students will engage in service activities, not for pay, in a project designed in collaboration with a supervising professor. Students will complete journal reflections and reports of their experience, analyzing the significance of servant leadership to their development leaders. Required reading materials will be utilized to supplement reflection and reporting. S/U grading. Fall, Spring.

### LEAD 494H - Independent Study: Conference Proposal (1)

A project designed and proposed by student, organized by faculty supervisor, approved by the director of the Theodore Roosevelt program, suitable for presentation at an undergraduate conference or poster session.

### LEAD 495H-1 - Introduction to the TRHLP (1)

This course will engage students in meaningful service activities and introduce them to the structure and expectations of the program. Students will need to understand the importance of service, learning, and leadership, and their relationships to each of these important concepts.

### LEAD 497H - Internship (2)

Students will be placed in an off-campus company or agency, which will provide the student with specific activities that will demonstrate the correlation between academic study and leadership experience. This internship is designed to coincide with any internship required within the discipline major.

## MATH - MATHEMATICS

### MATH 103 - College Algebra (4)

Relations and functions, equations and inequalities, complex numbers, polynomial, rational, exponential and logarithmic functions and systems of equations. This is a first course in college level mathematics for students who have completed two years of high school algebra or the equivalent. Prerequisite: Qualifying placement score or ASC 093 - Algebra Prep III (Must have a "C" or better) or equivalent. Fall, Spring.

### MATH 104 - Finite Mathematics (4)

Systems of linear equations and inequalities, matrices, linear programming, mathematics of Finance, elementary probability and descriptive statistics. Prerequisite: Qualifying placement test score or ASC 093 (Must have "C" or better) or equivalent. Spring.

### MATH 105 - Trigonometry (2)

Angle measure, trigonometric and inverse trigonometric functions, trigonometric identities and equations, polar coordinates, applications. Prerequisite: Qualifying placement score or MATH 103 - College Algebra with grade of "C" or higher or equivalent. Spring.

### MATH 107 - Pre-Calculus (4)

Equations and inequalities, polynomial, rational, exponential, logarithmic, trigonometric and inverse trigonometric functions; trigonometric identities and equations and applications. Also includes absolute values and inequalities. Requires the use of graphing calculator. Prerequisite: Qualifying placement score. Spring.

### MATH 110 - Liberal Arts Mathematics (3)

Covers contemporary topics in mathematics and their applications to other disciplines. Topics are chosen from set theory, logic, statistics, combinations and permutations, probability, and problem solving. Intended for students who do not intend to take additional courses in mathematics. Prerequisite: Qualifying placement score of ASC 093 - Algebra Prep III (must have a "C" or better to qualify) or equivalent. Offered on demand.

### MATH 127 - Matrix Fundamentals (2)

Systems of linear equations, row operations, matrix operations, inverses, determinants, linear independence, eigenvalues and eigenvectors. Prerequisite: Qualifying placement score or ASC 093 - Algebra Prep III (must receive a "C" or better to qualify) or equivalent. Fall, odd years.

### MATH 146 - Applied Calculus I (3)

Limits, derivatives, integrals, exponential, logarithmic; and applications. The applications are taken from business, economics and social science. Prerequisite: Qualifying placement score or MATH 103 - College Algebra (must receive a "C" or better) or equivalent. Fall, Spring.

**MATH 165 - Calculus I (4)**

The study of limits, continuity, single variable differentiation, applications of the derivative. Also includes beginning integration and analytic geometry. Prerequisite: Qualifying placement score or MATH 103 - College Algebra and MATH 105 - Trigonometry or MATH 107 - Pre-Calculus, or equivalent. Fall.

**MATH 166 - Calculus II (4)**

Applications of integration, methods of integration, transcendental functions, indeterminate forms, improper integrals, L'Hopital's rule, and numerical methods. Prerequisite: MATH 165 - Calculus I. Spring.

**MATH 208 - Discrete Mathematics (3)**

Sets, relations, and functions, combinatorics, logic, Boolean Algebra, difference equations, introduction to graph theory and automata. Prerequisite: MATH 103 - College Algebra, MATH 107 - Pre-calculus, MATH 165 - Calculus I or Qualifying Placement Score. Spring.

**MATH 250 - Mathematics and Computer Science Practicum (1)**

Does not meet as a class but encourages student participation in Computer Science club and related events. Students may repeat the class four times of which two credits will count toward the major or minor and the other two credits as general studies. Prerequisite: Admission by consent of the Department of Mathematics and Computer Science. Cross-listed with CSCI 230. Offered on demand. S/U grading only.

**MATH 259 - Multivariate Calculus (4)**

Functions of several variables, vectors in two or three variables, partial derivatives, surfaces and gradients, tangent planes, differentials, chain rule, optimization, space curves, and multiple integrals. Prerequisite: MATH 166 - Calculus II. Fall, even years.

**MATH 266 - Introduction to Differential Equations (4)**

The study of first and second order ordinary differential equations, linear systems, Laplace transforms, numerical methods, qualitative techniques, and applications. Prerequisite: MATH 127 - Matrix Fundamentals, and MATH 259 - Multivariate Calculus. Spring, odd years.

**MATH 277 - Mathematics for Elementary Teachers I (3)**

A mathematics content course for prospective elementary school teachers that integrates the understanding of content and development of arithmetic processes. Topics include numeration systems, elementary number theory, and operations on whole numbers and rational numbers. Appropriate use of calculators, computers and manipulatives are used in the course. Prerequisite: MATH 103 - College Algebra or higher. Fall.

**MATH 278 - Mathematics for Elementary Teachers II (3)**

A mathematics content course for prospective elementary school teachers that integrates the understanding of content and development of processes. Topics include real numbers, proportional reasoning, elementary algebra, geometry and probability. Appropriate use of calculators, computers and manipulatives are used in the course. Prerequisite: MATH 277 Mathematics for Elementary Teachers I. Spring.

**MATH 291 - Mathematics Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work. Research and discussion of some aspect of mathematics. Offered on demand.

**MATH 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**MATH 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**MATH 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**MATH 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**MATH 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**MATH 297 - Mathematics Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**MATH 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**MATH 305 - Probability and Statistics (4)**

Introductory statistics for people with a limited mathematics background. Topics include measures of central tendency, regression, correlation, probability, discrete and continuous random variables, sampling, estimation, hypothesis testing, and test of significance. Prerequisite: MATH 103 - College Algebra, or an ACT sub-score of 23 or higher. Fall, Spring.

**MATH 326 - Abstract Algebra (4)**

An introduction to abstract algebraic systems. Introduction to groups, rings, fields, isomorphisms, homomorphisms. Prerequisites: MATH 166 - Calculus II, MATH 208 - Discrete Mathematics, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**MATH 327 - Linear Algebra (3)**

In depth study of matrices, determinants, vector spaces, subspaces, linear transformations, eigenvalues and eigenvectors and Gaussian elimination. Prerequisite: MATH 127 - Matrix Fundamentals and MATH 166 - Calculus II, Spring, even years.

**MATH 338 - Geometry for Teachers (2)**

An overview of Geometry. Topics include Euclidean geometry, congruence, similarity, circles, triangles, parallelism, proofs, volumes and measurements. Recommended for prospective junior and senior high and upper-level elementary school teachers. Sophomore status or better. Spring, odd years.

**MATH 339 - Topics in Geometry (2)**

Foundations of geometry, axiomatic systems, neutral geometry, parallel postulates, non-euclidean geometry, euclidean geometry, nine-point circle. Prerequisites: MATH 165 - Calculus I and MATH 208 - Discrete Mathematics, or consent of instructor and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd numbered years.

**MATH 377 - Teaching Mathematics in the Middle Grades (3)**

Content, methods, materials and strategies for teaching Mathematics in grades 6-8 based on topics and mathematical practices outlined in the Common Core Standards. Topics include proportional reasoning; operations with rational numbers; algebraic expressions and equations; solving, graphing and modeling linear equations; geometric problems and statistical applications. For math education majors this course should be followed in the next semester by SEED 390X - Teaching Secondary School Mathematics. Prerequisite: Declared major or minor in mathematics education or elementary education of junior or senior status. Fall, odd years.

**MATH 411 - Introduction to Real Analysis (4)**

Theoretical development of topics from calculus. Functions, limits, continuity, sequences, series, convergence, and proofs of theorems. Topics covered are useful for secondary teachers and also provide a good background for graduate study in mathematics. Prerequisites: MATH 326 - Abstract Algebra, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**MATH 425 - Mathematical Statistics (4)**

Introduction to probability, permutations, combinations, discrete and continuous random variables, moment generating function, sampling distributions. Prerequisites: MATH 166 - Calculus II or equivalent and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**MATH 430 - History of Mathematics (3)**

Development of mathematics from its earliest beginnings to the present day. Problems from each era are included. Axiomatic system is developed. Prerequisites: MATH 165 - Calculus I or consent of department chair and ENGL 120 - College Composition or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**MATH 436 - Theory of Numbers (3)**

Positive integers and divisibility properties. Unique factorization, theory of congruence's, Diophantine equations. Prerequisite: MATH 166 - Calculus II. Offered on demand. Research and discussion of some aspect of mathematics.

**MATH 491 - Mathematics Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work. Research and discussion of some aspect of mathematics. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II and Senior Status or approval of department chair. This is a capstone course and as a capstone experience course for mathematics majors, includes exit exam preparation. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**MATH 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**MATH 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**MATH 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**MATH 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**MATH 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**MATH 497 - Mathematics Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**MATH 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**MRKT - MARKETING****MRKT 275 - Essentials of Marketing Research (3)**

A basic introduction to all facets of the research process as they apply to solving strategic marketing problems. Course exposes the student to both qualitative and quantitative research methods; research design considerations; sampling principles; data collection techniques; analysis and interpretation of data; report writing and other related topics. Online only.

**MRKT 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**MRKT 297 - Business Internship, Externship, Cooperative Education: Marketing (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisites: Must be a junior/senior business student. Student Internship Application approved by department chair is required. Business Administration majors must complete all pre-major courses with a "C" or better. Fall, Spring, Summer.

**MRKT 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**MRKT 301 - Principles of Marketing (3)**

Examination of domestic and global environments and understanding of the elements of marketing strategy, marketing research, diversification analysis, customer segmentation, organizational and consumer buying behavior, and the 4P fundamentals (Product, Price, Promotion, Place). Emphasizes the integration of these marketing functions into a marketing plan. Prerequisite: ENGL 120 or ENGL 121H. Business majors must successfully complete all pre-major courses. This course is designated as part of the university's Writing Across the Curriculum/Writing within the Disciplines program. Offered on demand.

**MRKT 340 - Advertising, Sales Promotion, and Digital Media (3)**

An in-depth investigation of both global and domestic advertising as a vital element of an organization's marketing strategy. This course investigates various promotional tools used in the communication mix, such as advertising, sales promotion, and publicity, to sell products and services. This course examines digital marketing strategies, implementation and executional considerations for BtoB and BtoC brands and provides a detailed understanding of all digital channels and platforms. The student will study, research, and prepare all major facets inherent in executing an advertising campaign for a real company. Prerequisite: MRKT 301 - Principles of Marketing. Offered on demand.

**MRKT 386 - Retailing: Virtual and Brick-and-Mortar (3)**

A detailed study of all aspects of managing a retail establishment. Includes financial analysis, marketing research and strategy planning, employee administration, location analysis, and an in-depth study of the current retail environment. An examination of the relationship to consumer demographics, trends, and traditional/nontraditional retailing markets. The employment of retailing techniques and the factors that influence modern retailing. Prerequisite: MRKT 301 - Principles of Marketing. Offered on demand.



**MRKT 357 - International Marketing (3)**

Analyzes the global marketplace. Prepares students to develop a global marketing plan. Incorporates current trends and issues in marketing internationally. Prerequisite: MRKT 301 - Principles of Marketing.

**MRKT 466 - Consumer Behavior and Consumption (3)**

Comprehensive study of behavioral models and concepts designed to help understand, evaluate, and predict consumer behavior. Deepens a student's knowledge about consumer psychology and applies the knowledge from the perspective of a marketing manager. Stresses analytical thinking about consumer psychology and prediction of how marketing tactics may influence demand for products and services. The student will explore how perceptions, learning, memory, personality, and attitudes influence consumption behavior, how consumption changes during one's life cycle, and how powerful cultural and subcultural influences are on consumers. Prerequisite: MRKT 301 - Principles of Marketing. Offered on demand.

**MRKT 491 - Business Administration Seminar: Marketing (3)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. Prerequisite: MRKT 301 - Principles of Marketing. Offered on demand.

**MRKT 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**MRKT 497 - Business Internship, Externship, Cooperative Education: Marketing (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisites: Must be a junior/senior business student. Student Internship Application approved by department chair is required. Business Administration majors must complete all pre-major courses with a "C" or better. Fall, Spring, Summer.

**MRKT 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**MUSC - MUSIC****MUSC 100 - Music Appreciation (3)**

Introduction to the elements, genre, mediums, historical and stylistic periods of western art music. This course is designed for those with little or no background in music. It is recommended for those seeking a general education course in Fine and Performing Arts. Fall, Spring.

**MUSC 101 - Fundamentals of Music (2)**

The study of fundamental music skills, including: but not limited to reading and writing notes, scales, and chords; listening skills; and music terminology so the student achieves basic music literacy and is prepared for MUSC 122 - Theory and Analysis I. Fall.

**MUSC 102 - American Popular Music (3)**

A survey of American popular music from the late nineteenth to the late twentieth century. This course includes basic musical concepts and terminology in addition to covering four major areas of American contemporary music: jazz, rock, country and musical theater. Students will gain knowledge of the socio-cultural aspects, as well as develop skills to listen critically to these popular musical styles. This course is designed for those with little or no background in music. Spring, even years.

**MUSC 106 - Piano Class I (1)**

Basic keyboard techniques including scales, chording, arpeggios, transposition, sight playing, and standard repertoire for the non-music major. Particular emphasis is on functional piano skills. Fall.

**MUSC 107 - Piano Class II (1)**

Continuation of MUSC 106 - Piano Class I. Spring.

**MUSC 110 - Foundations of Music (3)**

This course is designed for the elementary education major as preparation for MUSC 305 - Music Activities for Elementary Teachers, to be taken the following Spring semester. The course content includes the learning of basic musical concepts using a variety of music teaching methods, understanding of music education research and child development to effectively teach music in the general elementary classroom. Hands-on collaborative, cooperative learning activities enable students to learn the basic fundamentals of music in an experiential context. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**MUSC 122 - Music Theory and Analysis I (3)**

This course teaches the fundamentals of written music, including notation, key relationships, rhythm, harmony and basic harmonic analysis. This is the first course of a four-semester sequence. Co-requisite: MUSC 123 - Aural Skills I, MUSC 130 - Piano Keyboard Skills I. This course is designated as part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**MUSC 123 - Aural Skills I (1)**

Development of the musician's ear through training in the skills of sight-singing and dictation. Students will learn to perform melodies using traditional solfege without the aid of an instrument, and rhythms using two different counting systems, one of which will be the Eastman counting system. Students will learn to take musical dictation of rhythms, melodies, and harmonies. The difficulty of the exercises will increase as the student progresses through the four-semester sequence. Co-requisites: MUSC 122 - Music Theory and Analysis I, MUSC 130 - Piano Keyboard Skills I. Fall.

**MUSC 124 - Music Theory and Analysis II (3)**

This course is a continuation of MUSC 122 - Music Theory and Analysis I. It teaches a more intensive study of harmony as a fundamental element of music. This course also addresses harmonic analysis and simple binary, ternary and rounded binary forms. This course is the second of a four-semester sequence. Prerequisite: MUSC 122 - Music Theory I. Co-requisite: MUSC 125 - Aural Skills II, MUSC 131 - Piano Skills II. This course is designated as part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**MUSC 125 - Aural Skills II (1)**

Development of the musician's ear through training in the skills of sight-singing and dictation. Students will learn to perform melodies using traditional solfege without the aid of an instrument, and rhythms using two different counting systems, one of which will be the Eastman counting system. Students will learn to take musical dictation of rhythms, melodies, and harmonies. The difficulty of the exercises will increase as the student progresses through the four-semester sequence. Co-requisites: MUSC 124 - Music Theory and Analysis II, MUSC 131 - Piano Keyboard Skills II. Spring.

**MUSC 126 - Introduction to Music Literature (3)**

This course serves as an introduction to the study of Music History for music majors. Providing a foundation for basic research and skills for writing about music, the course develops the students' familiarity with composers, styles, and compositions from antiquity to the present. Students will read, discuss, research, write, listen, analyze and describe music. MUSC 126 is a prerequisite for MUSC 326 and MUSC 327. Spring.

**MUSC 130 - Piano Keyboard Skills I (1)**

Functional keyboard techniques including scales, chording, arpeggiation, transposition, sight-playing, and standard repertoire. Helps ready the student to pass the piano proficiency exam. Co-requisite: MUSC 122 - Music Theory I - MUSC 123 - Aural Skills I. Fall.

**MUSC 131 - Piano Keyboard Skills II (1)**

Continuation of MUSC 130 - Basic Keyboard I. Must be taken until the piano proficiency test has been passed. This level may be repeated for credit for a total of three hours. Co-requisite: MUSC 124 - Music Theory II, MUSC 125 - Aural Skills II. Spring.

**MUSC 133 - Music Technology (2)**

This course examines fundamental recording techniques, music notation, computer programs, MIDI (Music Instrument Digital Interface) Technology and the internet as a music resource. Prerequisite: MUSC 124 - Music Theory and Analysis II. Fall, odd years.

**MUSC 162 - Voice Class (1)**

This course provides the opportunity for non-music majors to learn the basics of singing technique including, but not limited to, body alignment, vocal freedom, resonance, diction, musical interpretation and presentation. The course may also address students deficiencies in rudimentary music theory. Students taking this course are encouraged to enroll in MUSC 140A - Chorale. Offered on demand.

**MUSC 163 - Flute (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 164 - Oboe (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 165 - Clarinet (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 166 - Saxophone (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 167 - Bassoon (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 168 - Trumpet (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 169 - Horn (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 170 - Trombone (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 171 - Euphonium (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 172 - Tuba (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 173 - Percussion (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 174 - Applied Bass (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 175 - Applied Guitar (0.5-1)**

Private studio lessons for non-music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band. Offered on demand.

**MUSC 201 - World Music (3)**

This course provides an overview of non-Western music from diverse music from many regions and cultures of the world. An emphasis will be placed on the understanding of cultural, social, and historical contexts to foster an Appreciation of non-Western musical expression. The study will include unique musical styles and traditions including Latin America, the Middle East, Asia, and Africa. The course will include participation in the learning of drumming techniques from several regions of the world. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, odd years.

**MUSC 210 - Lyric Diction (2)**

Students will learn the International Phonetic Alphabet and its application to the sung diction of English, Latin, Italian, French, and German. The course focuses on student mastery of the rules and sounds of performing diction of the standard solo vocal and choral repertoire in these various languages. Spring, odd years.

**MUSC 215 - Basic Conducting (2)**

The fundamentals of conducting including beat patterns, cueing, cut-offs, score preparation and rehearsal methods for both instrumental and choral ensembles. Prerequisite: MUSC 124 - Music Theory and Analysis II. Spring, even years.

**MUSC 222 - Music Theory and Analysis III (3)**

This course is a continuation of MUSC 124 - Music Theory and Analysis II. It teaches the history of musical technique in an advanced study of harmony and application of theory to the keyboard. Students will study chromatic harmony, harmonic analysis, and the larger musical forms. This course is the third of a four-semester sequence. Prerequisite: MUSC 124 - Music Theory and Analysis II, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: MUSC 223 - Aural Skills III. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**MUSC 223 - Aural Skills III (1)**

Development of the musician's ear through training in the skills of sight-singing and dictation. Students will learn to perform melodies using traditional solfege without the aid of an instrument, and rhythms using two different counting systems, one of which will be the Eastman counting system. Students will learn to take musical dictation of rhythms, melodies, and harmonies. The difficulty of the exercises will increase as the student progresses through the four-semester sequence. Co-requisite: MUSC 222 - Music Theory and Analysis III. Fall.

**MUSC 224 - Music Theory and Analysis IV (3)**

This course is a continuation of MUSC 222 - Music Theory and Analysis III. It teaches the history of musical technique advanced harmony in the application of music theory to the keyboard. Students will study 20th century and contemporary compositional theories and analysis. This course is the fourth in a four-semester sequence. Prerequisites: MUSC 222 - Music Theory and Analysis, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: MUSC 225 - Aural Skills IV. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**MUSC 225 - Aural Skills IV (1)**

Development of the musician's ear through training in the skills of sight-singing and dictation. Students will learn to perform melodies using traditional solfege without the aid of an instrument, and rhythms using two different counting systems, one of which will be the Eastman counting system. Students will learn to take musical dictation of rhythms, melodies, and harmonies. The difficulty of the exercises will increase as the student progresses through the four-semester sequence. Co-requisite: MUSC 224 - Music Theory and Analysis IV. Spring.

**MUSC 231 - Keyboard Skills III (1)**

Continuation of MUSC 131 - Basic Keyboard Skills. May be taken in preparation for the Piano Proficiency Exam. Fall.

**MUSC 230N - Piano Proficiency Exam (0)**

An exam designed to assess the student's skills in scale playing, cadence patterns, transposition, harmonization, sight playing, accompanying and repertoire. Required for all music majors and minors. Scheduled with juries. Fall, Spring.

**MUSC 232 - Keyboard Skills IV (1)**

Continuation of MUSC 231 - Keyboard Skills III. May be taken in preparation for MUSC 230N - Piano Proficiency Exam. Spring.

**MUSC 235 - Voice Methods (1)**

Class instruction in singing for vocal and instrumental music education majors with an emphasis on pedagogical principles, physiology for singing, physical development of the voice, applied competence of fundamentals and age-appropriate song literature. Fall, even years.

**MUSC 236 - Woodwind Methods (1)**

Class instruction in woodwind instruments for vocal and instrumental music education majors with emphasis on pedagogical principles, applied competency of fundamentals and literature. Spring, odd years.

**MUSC 237 - Brass Methods (1)**

Class instruction in brass instruments for vocal and instrumental music education majors with emphasis on pedagogical principles, applied competency of fundamentals and literature. Spring, odd years.

**MUSC 238 - Percussion Methods (1)**

An instrumental methods course focusing on teaching percussion in the classroom; emphasizes correct performance practices, literatures, and class teachings. Spring, even years.

**MUSC 239 - Strings Methods (1)**

Class instruction in string instruments (violin, viola, cello and bass) with emphasis on pedagogical principles, applied competency of fundamentals and literature. Fall, even years.

**MUSC 240 - Chorale (1)**

An ensemble of singers performing literature from the traditional and contemporary repertoires. In addition to local concerts, the Chorale takes an annual recruiting tour. No audition is necessary. This section is for non-music majors and lower-level music majors. Fall, Spring.

**MUSC 241 - Concert Band (1)**

An ensemble of instrumentalists who perform literature from the traditional and contemporary repertoires. In addition to local concerts, the Concert Band takes an annual recruiting tour. Open to all students by audition. This section is for non-music majors and lower-level music majors. Fall, Spring.

**MUSC 242 - Jazz Ensemble (1)**

The Jazz Ensemble performs big band jazz, pop, rock and other contemporary styles of music. Ensemble instrumentation is piano, bass, drums, guitar, saxophones, trumpets and trombones and is open to all students by permission of the instructor. This section is for non-music majors and lower-level music majors. Fall, Spring.

**MUSC 243 - String Ensemble (1)**

The String Ensemble is an orchestral string ensemble (violin, viola, cello, bass) that meets to rehearse and perform orchestral string literature. The ensemble meets once weekly and performs at community and university functions and on and off campus concerts. Not for beginning string players. Prerequisite: permission of the instructor. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 246 - daCoda Blue (1)**

daCoda Blue is an auditioned vocal jazz ensemble performing traditional jazz through contemporary and popular repertoire. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 247 - Choral Union (1)**

Choral Union is a community and student ensemble open to all. Choral Union performs primarily in the Fall semester in a performance of a large seasonal choral work with orchestra. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 248 - Chamber Singers (1)**

Chamber Singers is a highly select ensemble open to all students by audition. The ensemble performs literature of all styles from all historical periods. This section is for non-music majors and lower-level music majors. Fall, Spring.

**MUSC 249 - Musical Theater Troupe (1)**

The Musical Theater Troupe is a vocal ensemble assembled for the production of operas, Broadway musicals, scenes, variety shows, etc. The course content changes each semester. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 251 - Brass Ensemble (1)**

The Badlands Brass Choir is a large brass ensemble plus percussion that performs repertoire from the sixteenth century through the modern era. The Badlands Brass performs concerts on campus, in the community and in the region. It rehearses two hours per week and membership is by permission of the instructor. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 252 - Woodwind Chamber Ensemble (1)**

Woodwind chamber ensembles are organized according to interest and enrollment and may include Saxophone Quartet, Recorder Ensemble, Flute Choir, Woodwind Quintet or any other combination of woodwind instruments. Membership is by permission of the instructor. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 253 - Percussion Ensemble (1)**

The Percussion Ensemble provides students of percussion exposure and experience in a wide variety of percussion instruments and literature in a small ensemble setting. Western musical traditions are represented as well as those of other ethnic backgrounds. Permission of the instructor. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 254 - Drumline (1)**

The DSU Drumline provides students in the DSU Marching Band experience in a variety of percussion instruments, as well as music, from the marching percussion genre, in a small ensemble setting. Students perform at athletic events and tour regions schools. Co-requisite: Concert Band. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 255 - Color Guard (1)**

Color guard is an auxiliary unit of the DSU Marching Band. Participants in the course choreograph and execute dance and flag routines to complement the musical and visual effect of the marching band. This section is for non-music majors and lower-level music majors. Offered on demand.

**MUSC 260 - Voice (0.5-1)**

Private studio lessons for non-music majors or lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Chorale and Performance Class. This section is for non-music majors and lower-level music majors. Offered on demand. Course fee required.

**MUSC 261 - Piano (0.5-1)**

Private studio lessons for non-music majors or lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 263 - Flute (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 264 - Oboe (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 265 - Clarinet (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 266 - Saxophone (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 267 - Bassoon (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 268 - Trumpet (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 269 - Horn (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 270 - Trombone (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 271 - Euphonium (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 272 - Tuba (0.5-1)**

Private studio lessons for non-music majors and lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 273 - Percussion (0.5-1)**

Private studio lessons for non-music majors or lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 274 - Applied Bass (0.5-1)**

Private studio lessons for non-music majors or lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 275 - Applied Guitar (0.5-1)**

Private studio lessons for non-music majors or lower-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 289 - Performance Class (0)**

This course provides students in applied music the opportunity to perform publicly. All music majors must enroll and satisfy requirements for Performance Class during each semester. The only exception is the semester of student-teaching. All music minors must enroll and satisfy requirements for the four semesters during which they are taking applied lessons. Fall, Spring.

**MUSC 291 - Music Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**MUSC 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**MUSC 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**MUSC 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**MUSC 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**MUSC 297 - Music Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**MUSC 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**MUSC 305 - Music Activities for Elementary Teachers (2)**

Required for the elementary education major. These course credits do not apply towards music majors or minors, or General Education requirements. Students will learn through hands-on collaborative/cooperative learning activities, including singing, playing instruments and movement, to develop the skill of using music in an interdisciplinary teaching context. This course requires basic music reading skills covered in MUSC 105. A required field experience is integrated into the course. Prerequisite: MUSC 110 - Foundations of Music. Spring.

**MUSC 315 - Instrumental Conducting (2)**

This course addresses techniques and conventions specific to instrumental conducting beyond the introductory course - MUSC 215. Score study and preparations, rehearsal methods, left-hand/right-hand independence, such as nuance items as phrase shaping and timbre blending are examined and implemented into the student conductor's podium technique. Some conducting of DSU and/or ensembles is expected during the semester. Prerequisites: MUSC 124 - Music Theory II and Analysis and MUSC 215 - Basic Conducting. Fall, odd years.

**MUSC 316 - Choral Conducting (2)**

This course investigates score preparation and rehearsal methods for choral ensembles. Students rehearse the Dickinson State University Choral Ensembles several times during the semester for experience in the actual conducting of an ensemble. Prerequisites: MUSC 124 - Music Theory II, and MUSC 215 - Basic Conducting. Fall, even years.

**MUSC 322 - Choral Arranging (2)**

Choral Arranging teaches the fundamental concepts and techniques to prepare students to write and arrange choral music for a variety of ensembles and in a variety of styles. The course will build upon the basic voice leading and arranging skills learned in the Music Theory sequence, developing a further understanding of vocal ranges, tessitura, age-specific arranging, various choral voicings, writing accompaniments, contemporary harmonies, counterpoint, music technology, and more. A variety of musical styles including classical, folk, pop, contemporary a cappella, and jazz will be covered. Prerequisite: MUSC 224 - Music Theory and Analysis IV. Spring, odd years.

**MUSC 323 - Instrumental Arranging (2)**

Instrumentation and techniques of scoring music for various ensembles, with emphasis on the needs of public school. Prerequisite: MUSC 224 - Music Theory and Analysis IV. Fall, odd years.

**MUSC 326 - Music History and Literature I (3)**

Music History and Literature I is the chronological study of music and musicians in Western civilization up to through the 17th century. Musical styles, events, composers, and music literature are covered. Prerequisites: MUSC 124 - Music Theory and Analysis II and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is designated as part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**MUSC 327 - Music History and Literature II (3)**

This course is a continuation of MUSC 326 - Music History and Literature I. The music history and literature from the Classical Period to present are covered. Prerequisites: MUSC 326 - Music History and Literature I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**MUSC 330 - Wind Instrument Repair (2)**

This course is designed to train music educators in the maintenance and basic repair of musical instruments. Descriptions of mechanisms, common repair problems, and practical repair techniques are discussed. Repair techniques are applied by the student. Offered on demand.

**MUSC 335 - Jazz Improvisation I (2)**

Beginning study of the methods of jazz and pop music improvisation. Emphasis is on improvisation on simple chord changes (progressions), notation, terminology, and playing varieties of the Blues. Prerequisite: MUSC 124 - Music Theory and Analysis II. Fall, alternate years.

**MUSC 336 - Jazz Improvisation II (2)**

A continuation of MUSC 335 - Jazz Improvisation I. More advanced techniques and ideas of improvisational performance, including modal changes, idea structuring, and analysis of progressions other than Blues. Prerequisite: MUSC 335 - Jazz Improvisation I. Spring, alternate years.

**MUSC 387A - Composition (2)**

Composition in traditional styles and/or electronic media. Prerequisite: MUSC 224 - Music Theory and Analysis IV. May be repeated. Offered according to interest and enrollment.

**MUSC 387B - Composition (2)**

Composition in traditional styles and/or electronic media. Prerequisite: MUSC 224 - Music Theory and Analysis IV. May be repeated. Offered according to interest and enrollment.

**MUSC 388 - Junior Recital (1)**

Course fee required.

**MUSC 420 - Counterpoint (2)**

A study of the contrapuntal styles of the 16th and 18th Centuries, including modes, cantus firmus technique, species counterpoint, real and tonal answers, fugue exposition, fugue, and smaller fugal forms. Prerequisite: MUSC 224 - Music Theory and Analysis IV. Spring, alternate years.

**MUSC 422 - Musical Form & Analysis (2)**

Analysis of the principal forms of music. Embraces various schools and representative composers. Prerequisites: MUSC 222 - Music Theory and Analysis III, MUSC 326 - Music History and Literature I and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, alternate years.

**MUSC 426 - Post Tonal Music (2)**

Trends in European and American music from about 1910 to the present, with emphasis on music since 1920. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**MUSC 430 - Piano Pedagogy (2)**

A study and application through laboratory teaching of methods and materials for piano teaching to include analysis of keyboard literature. Prerequisite: MUSC 131 - Piano Keyboard Skills II or consent of instructor. Offered on demand.

**MUSC 440 - Chorale (1)**

An ensemble of singers performing literature from the traditional and contemporary repertoires. In addition to local concerts, the Chorale takes an annual recruiting tour. No audition is necessary. This section is for upper-level music majors. Fall, Spring.

**MUSC 441 - Concert Band (1)**

An ensemble of selected instrumentalists who perform literature from the traditional and contemporary repertoires. In addition to local concerts, the Concert Band takes an annual recruiting tour. Open to all students by audition. This section is for upper-level music majors only. Fall, Spring.

**MUSC 442 - Jazz Ensemble (1)**

The Jazz Ensemble performs big band jazz, pop, rock and other contemporary styles of music. Ensemble instrumentation is piano, bass, drums, guitar, saxophones, trumpets and trombones and is open to all students by permission of the instructor. This section is for upper-level music majors only. Offered on demand.

**MUSC 443 - String Ensemble (1)**

The String Ensemble is an orchestral string ensemble (violin, viola, cello, bass) that meets to rehearse and perform orchestral string literature. The ensemble meets once weekly and performs at community and university functions and on and off campus concerts. Not for beginning string players. Permission of the instructor. This section is for upper-level music majors only. Offered on demand.

**MUSC 446 - daCoda Blue (1)**

daCoda Blue is an auditioned vocal jazz ensemble performing traditional jazz through contemporary and popular repertoire. This section is for upper-level music majors only. Offered on demand.

**MUSC 447 - Choral Union (1)**

Choral Union is a community and student ensemble open to all. Choral Union performs primarily in the Fall semester in a performance of a large seasonal choral work with orchestra. This section is for upper-level music majors only. Offered on demand.

**MUSC 448 - Chamber Singers (1)**

Chamber Singers is a highly select ensemble open to all students by audition. The ensemble performs literature from all historical periods and rehearses three hours per week. This section is for upper-level music majors only. Fall, Spring.

**MUSC 449 - Musical Theater Troupe (1)**

The Musical Theater Troupe is a vocal ensemble assembled for the production of operas, Broadway musicals, scenes, variety shows, etc. The course content changes each semester. This section is for upper-level music majors only. Offered on demand.

**MUSC 451 - Brass Ensemble (1)**

The Badlands Brass Choir is a large brass ensemble plus percussion that performs repertoire from the sixteenth century through the modern era. The Badlands Brass performs concerts on campus, in the community and in the region. It rehearses two hours per week and membership is by permission of the instructor. This section is for upper-level music majors only. Offered on demand.

**MUSC 452 - Woodwind Chamber Ensemble (1)**

Woodwind chamber ensembles are organized according to interest and enrollment and may include Saxophone Quartet, Recorder Ensemble, Flute Choir, Woodwind Quintet or any other combination of woodwind instruments. Membership is by permission of the instructor. This section is for upper-level music majors only. Offered on demand.

**MUSC 453 - Percussion Ensemble (1)**

The Percussion Ensemble provides students of percussion exposure and experience in a wide variety of percussion instruments and literature in a small ensemble setting. Western musical traditions are represented as well as those of other ethnic backgrounds. Permission of the instructor. This section is for upper-level music majors only. Offered on demand.

**MUSC 454 - Drumline (1)**

The DSU Drumline provides students in the DSU Marching Band experience in a variety of percussion instruments, as well as music, from the marching percussion genre, in a small ensemble setting. Students perform at athletic events and tour regions schools. Co-requisite: Concert Band. This section is for upper-level music majors only. Offered on demand.

**MUSC 455 - Color Guard (1)**

Color guard is an auxiliary unit of the DSU Marching Band. Participants in the course choreograph and execute dance and flag routines to complement the musical and visual effect of the marching band. This section is for upper-level music majors only. Offered on demand.

**MUSC 460 - Voice (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Prerequisite: successful completion of sophomore gateway exam. Co-requisite: enrollment in Chorale and Performance Class. Course fee required. Offered on demand.

**MUSC 461 - Piano (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 463 - Flute (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 464 - Oboe (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 465 - Clarinet (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 466 - Saxophone (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 467 - Bassoon (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 468 - Trumpet (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 469 - Horn (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 470 - Trombone (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.



**MUSC 471 - Euphonium (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 472 - Tuba (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Co-requisite: enrollment in Concert Band and Performance Class. Course fee required. Offered on demand.

**MUSC 473 - Percussion (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 474 - Applied Bass (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 475 - Applied Guitar (0.5-1)**

Private studio lessons for upper-level music majors. Students desiring half-hour lessons should register for 0.5 credits; students desiring a full-hour lesson should register for one credit. Offered on demand.

**MUSC 487 - Composition (1)**

Private composition lessons in traditional styles and/or electronic media. Prerequisite: MUSC 224 - Music Theory and Analysis IV. Offered on demand.

**MUSC 488 - Senior Recital (1)**

Course fee required. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**MUSC 489 - Performance Class (0)**

This course provides students in applied music the opportunity to perform publicly. All music majors must enroll and satisfy requirements for Performance Class during each semester. The only exception is the semester of student-teaching. All music minors must enroll and satisfy requirements for the four semesters during which they are taking applied lessons. Fall, Spring.

**MUSC 491 - Music Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. MUSC 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**MUSC 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**MUSC 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval of department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval of department chair.

**MUSC 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**MUSC 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**MUSC 497 - Music Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**MUSC 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**NURS - NURSING****NURS 121 - Basic Nursing Concepts I (5)**

NURS 121 is the first didactic nursing course of the AASPN program and introduces the student to the discipline of nursing. End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, and caring interventions as defined by the Department of Nursing will be introduced in this course. Content/principles related to the following units are included in this course: (1) Introduction to Nursing and the History of Nursing, (2) Nursing Process, (3) Musculoskeletal System, Mobility and Immobility, and Sleep, (4) Skin Integrity and the Prevention of Skin Breakdown, (5) Fluid, Electrolytes Acid Base Balance, (6) Diabetes Mellitus, (7) Normal Abnormal Vital Signs, (8) Medication Administration, (9) Disorders of the Upper Respiratory Tract Oxygenation, (10) Advanced Clinical Skills Total Body Assessment. Prerequisites: High school chemistry and algebra, or equivalent. Co-requisite: NURS 198A - Basic Nursing Concepts Clinical I. Fall.

**NURS 131 - Basic Nursing Concepts II (5)**

NURS 131 builds upon theory and skills taught in NURS 121 - Basic Nursing Concepts I, End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, and caring interventions as defined by the Department of Nursing will be emphasized in this course. Physiologic and psychosocial concepts are incorporated into each unit, addressing adaptation problems and underlying scientific concepts throughout all stages of client growth and development. Content and principles related to the use of the nursing process in the following units are included in this course: (1) Perioperative Role of the Nurse and Pain Management, (2) Urologic and Renal System Assessment & Disorders, (3) Spiritual Care and Care of the Dying Patient, (4) Cardiac and Vascular Disorders, (5) Gastrointestinal Assessment and Inflammatory Bowel Disorders, (6) Conception and Fetal Development, (7) Concepts of Self & Psychiatric/Mental Health Nursing and Therapeutic Communication Skills. Prerequisites: NURS 121 - Basic Nursing Concepts I, CHEM 115, CHEM 115L - Introductory Chemistry and Lab, BIOL 111A - Concepts of Biology, and PSYC 111 - Introduction to Psychology. Co-requisite: NURS 198B - Basic Nursing Concepts Clinical II. Spring.

**NURS 198A - Basic Nursing Concepts Clinical I (1)**

NURS 198A is the initial clinical course, and focuses on the attainment of basic clinical and communication skills in the Nursing Learning Laboratory. End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, and caring interventions as defined by the Department of Nursing will be introduced in this course. Clinical experiences encompass restorative and supportive nursing skills that protect, promote and optimize health/abilities; prevent illness/ injury and alleviate suffering throughout all stages of client growth and development. Prerequisites: High school chemistry and algebra, or equivalent. Co-requisite: NURS 121 - Basic Nursing Concepts I. S/U grading only. Course fee required. Fall.

**NURS 198B - Basic Nursing Concepts Clinical II (1)**

NURS 198B builds upon skills in NURS 198A - Basic Nursing Concepts Clinical I. End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, and caring interventions as defined by the Department of Nursing will be emphasized in this course. Students provide care for clients in all stages of growth and development with stable and well-defined problems as a member of the health care team. Clinical rotations include acute care and extended care settings. Clinical experiences encompass restorative and supportive nursing skills that protect, promote and optimize health/abilities; prevent illness/injury and alleviate suffering. Foundational values in the discipline of nursing included in the clinical course are: caring, integrity, respect, advocacy and accountability. Prerequisites: NURS 121 - Basic Nursing Concepts I, CHEM 115, CHEM 115L - Introductory Chemistry and Lab, BIOL 111A - Concepts of Biology, and PSYC 111 - Introduction to Psychology. Co-requisite: NURS 131 - Basic Nursing Concepts II. S/U grading only. Course fee required. Spring.

**NURS 215 - Introduction to Pharmacology (2)**

NURS 215 introduces the student to concepts and principles related to basic pharmacology relevant to nursing care and focuses on safe, effective drug therapy for stable, well-defined patient populations across the lifespan. The End of Program Student Learning Outcome (EPSLO) of planning as defined by the Department of Nursing will be emphasized in this course. Comprehensive application of the nursing process to pharmacologic intervention is integrated. Content emphasizes drug therapy as a means to protect, promote, optimize health, prevent illness and alleviate suffering. The importance of utilizing current, credible sources for drug information is stressed. The following aspects of drug therapy will be incorporated: physiological, psychosocial, socio-cultural, developmental and spiritual. Fall.

**NURS 231 - Psychiatric/Mental Health Nursing (2)**

NURS 231 introduces the student to concepts and principles of psychiatric/mental health nursing. The learner will be guided toward beginning competency in the nursing care of adult clients with persistent (chronic) mental illness. The student will identify common, well-defined disorders in mental health and related interventions. The End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, and caring interventions as defined by the Department of Nursing will continue to be incorporated in this course. Selected learning focuses on issues of the lived experience of mental illness. Students will be encouraged to relate to the individual as a bio-psychosocial being, as well as focusing on the impact of culture and spirituality in mental illness. Prerequisites: NURS 131 - Basic Nursing Concepts II, NURS 198B - Basic Nursing Concepts Clinical II, NURS 240 - Fundamentals of Nutrition, PSYC 250 - Developmental Psychology, and BIOL 220 - Human Anatomy and Physiology I. Summer.

**NURS 240 - Fundamentals of Nutrition (2)**

NURS 240 provides a foundation in nutrition science to understand nutritional status to protect, promote, and optimize health through the study of basic nutrition concepts, changing nutritional needs throughout the life cycle, nutritional deficiencies and disorders, and how nutrition therapy can prevent and treat health-related conditions. Spring.

**NURS 241 - Intermediate Nursing Concepts I (4)**

NURS 241 is a sequential didactic course for students enrolled in the AASPN Program. The student will build upon theory and skills taught in previous nursing courses and will progress toward mastery of the End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, and caring interventions as defined by the Department of Nursing. Concepts/principles related to the following units are included in this course: (1) Fluids, Electrolytes, Acid/Base Balance and Intravenous Therapy, (2) Human Reproduction, Care of the Newborn, Sexuality, Male/Female Reproductive Disorders, (3) Musculoskeletal, Arthritis and Connective Tissue Disorders, (4) Cardiac and Hematologic Disorders, and (5) Poisoning, Child Abuse, Immunizations, Burns, Skin Disorders and Communicable Diseases. Physiologic, psychological, socio-cultural, developmental and spiritual aspects are incorporated in the care of patients across the lifespan, and identifying pertinent concepts from academic support courses. Prerequisite: NURS 231 - Psychiatric/Mental Health Nursing. Co-requisite: NURS 298B - Intermediate Nursing Concepts Clinical I. Fall.

**NURS 251 - Intermediate Nursing Concepts II (4)**

NURS 251 is the final didactic course for students enrolled in the AASPN Program. Students will demonstrate mastery of End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, caring interventions, and managing as defined by the Department of Nursing. The course is a continuation of theory and skills taught in previous courses and incorporates all stages of growth and development. Content/principles related to the following units/topics are included in this course: (1) Respiratory Disorders of the Lower Respiratory Tract & Obstructive Pulmonary Diseases, (2) Disorders of the Lower Gastrointestinal Tract, Liver, Pancreas and Gall Bladder, (3) Intracranial, Spinal Cord and Peripheral Nervous System Disorders, (4) Assessment and Disorders of the Endocrine System, (5) Auditory, Visual, Immune System and Neoplastic Disorders, and (6) Acute and Chronic Renal and Urologic Disorders. Emphasis is placed upon assisting the student in making the transition from the role of student to graduate. Prerequisites: NURS 241 - Intermediate Nursing Concepts I, NURS 298B - Intermediate Nursing Concepts Clinical I, NURS 215 - Introduction to Pharmacology, BIOL 221 - Anatomy and Physiology II and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: NURS 298C - Intermediate Nursing Concepts Clinical II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring. Course fee required.

**NURS 291 - Nursing Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**NURS 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**NURS 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**NURS 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by instructor and department chair. Fall, Spring, Summer. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by instructor and department chair. Fall, Spring, Summer.

**NURS 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**NURS 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**NURS 297 - Nursing Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**NURS 298B - Intermediate Nursing Concepts Clinical I (3)**

NURS 298B is a clinical course in which students actively engage in learning experiences to progress toward mastery of End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, and caring interventions as defined by the Department of Nursing program outcomes. Students utilize the nursing process in caring for individuals of all ages and stages of growth and development with stable and well-defined problems as a member of the health care team. Clinical rotations include wellness, acute care, extended care, and clinical learning laboratory settings. Clinical experiences encompass nursing practices that protect, promote and optimize health/abilities, prevent illness/injury and alleviate suffering. Prerequisite: NURS 231 - Psychiatric/Mental Health Nursing. Co-requisite: NURS 241 - Intermediate Nursing Concepts I. S/U grading only. Fall. Course fee required.

**NURS 298C - Intermediate Nursing Concepts Clinical II (3)**

NURS 298C is a capstone clinical course in which students actively engage in the care of individuals in all ages and stages of growth and development with stable and well-defined problems. Students will demonstrate mastery of End of Program Student Learning Outcomes (EPSLOs) of professionalism, communication, assessment, planning, caring interventions, and managing as defined by the Department of Nursing. Clinical rotations are concentrated in wellness, acute care, extended care, specialty and clinical learning laboratory settings. Clinical experiences encompass nursing practices that protect, promote and optimize health/abilities, prevent illness/injury and alleviate suffering. The student is more self-directed and the course culminates in summative evaluation of AASPN program outcomes. Prerequisites: NURS 241 - Intermediate Nursing Concepts I, NURS 298B - Intermediate Nursing Concepts Clinical I, NURS 215 - Introduction to Pharmacology and BIOL 221 - Anatomy and Physiology II. Co-requisite: NURS 251 - Intermediate Nursing Concepts II. S/U grading only. Spring. Course fee required.

**NURS 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**NURS 300 - Transcultural Nursing (3)**

This course provides students with an introduction to the theory of transcultural nursing. The focus of this course is to assist nursing students in learning about culture, belief systems, values, and practices that are specific to identified cultures in order to better understand and provide nursing care that is both culturally competent and culturally sensitive. Spring.

**NURS 316 - Advanced Concepts I Adult Health (4)**

This course focuses on advanced nursing concepts related to adults with unstable, ill defined, acute and chronic illness including changes associated with aging. Evidence based practice guides the application of the nursing process in complex nursing practice situations. Comprehensive strategies are used to protect, promote and optimize health and abilities, prevent illness/injury, facilitate healing, alleviate suffering, and advocate for the care of individuals. Prerequisites: BIOL 357 - Pathophysiology, NURS 321 - Health Assessment, NURS 398A - Health Assessment Clinical, NURS 328 - Nursing Role Transition and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisites: NURS 330 - Nursing Research, NURS 331 - Community Health I, NURS 398B - Clinical Concepts I. Fall.

**NURS 321 - Health Assessment (2)**

This course focuses on assessment strategies and communication essential to gathering patient histories and performing comprehensive physical examinations. Acquired knowledge and skills facilitate a systematic approach for collecting data, differentiating normal and abnormal findings and making inferences to guide the provision of care. Prerequisites: Admission to the BSN Completion Program or LPN/RN licensure. Co-requisites: NURS 398A - Health Assessment Clinical. Fall.

**NURS 328 - Nursing Role Transition (2)**

This course facilitates nursing role transition by expanding upon the outcome competencies (communication, therapeutic nursing interventions and critical thinking) and introducing professional nursing concepts essential for assuming greater responsibility and a broader scope of practice. The values of caring, integrity, respect, advocacy and accountability are intricately woven throughout the concepts of legal, ethical and professional nursing. Prerequisite: Admission to the BSN Completion Program and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisites: NURS 321 - Health Assessment, NURS 398A - Health Assessment Clinical. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**NURS 330 - Nursing Research (2)**

This course introduces the research process and explores the utilization of evidence based research in professional nursing. Information from nursing research and professional databases is utilized to enhance critical thinking that is based on theoretical and empirical knowledge. Prerequisites: BIOL 357 - Pathophysiology, NURS 321 - Health Assessment, NURS 398A - Health Assessment Clinical, NURS 328 - Nursing Role Transition, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisites: NURS 316 - Advanced Concepts I Adult Health, NURS 331 - Community Health I, NURS 398B - Clinical Concepts I. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**NURS 331 - Community Health I (2)**

This course integrates nursing theory with foundational community/public health concepts to protect, promote and optimize the health and abilities, prevent illness/injury, and advocate for the care of stable and unstable individuals and families across the lifespan in various health care and community settings. The application of the nursing process evolves to the care of individuals, families, groups, communities, and populations. Interprofessional aspects of the health care system are explored in relation to utilizing appropriate resources to meet client needs. Prerequisites: BIOL 357 - Pathophysiology, NURS 328 - Nursing Role Transition, NURS 321 - Health Assessment, NURS 398A - Health Assessment Clinical. Co-requisites: NURS 398B - Clinical Concepts I, NURS 316 - Advanced Concepts I Adult Health, NURS 330 - Nursing Research. Spring.

**NURS 398A - Health Assessment Clinical (1)**

This course provides opportunities to perform comprehensive physical exams on adults by employing assessment strategies and communication skills acquired in the co-requisite course, Health Assessment. Utilization of the nursing process assist in differentiating normal and abnormal assessment findings to establish relevant goals, interventions and rationale to protect, promote and optimize health. Prerequisites: Admission to the BSN Completion Program or LPN/RN licensure. Co-requisites: NURS 321 - Health Assessment, NURS 328 - Nursing Role Transition. S/U grading only. Fall.

**NURS 398B - Clinical Concepts I (3)**

This course focuses on the clinical application of evidence based practice and integration of theory and skills to provide safe nursing care to individuals across the lifespan with stable/unstable, ill defined, acute and chronic illness, including changes associated with aging. Utilization of the nursing process guides the formulation of nursing care decisions and interprofessional selection of resources to protect, promote and optimize the health and abilities, prevent illness/injury, facilitate healing, alleviate suffering through the diagnosis and treatment of human response, and advocate for the care of individuals in various health care settings. Prerequisites: BIOL 357 - Pathophysiology, NURS 321 - Health Assessment, NURS 398A - Health Assessment Clinical, NURS 328 - Nursing Role Transition. Co-requisites: NURS 316 - Advanced Concepts I Adult Health, NURS 330 - Nursing Research, NURS 331 - Community Health I. S/U grading only. Spring.

**NURS 415 - Advanced Concepts II Child Health (2)**

This course explores pediatric nursing concepts and applies evidence based practice related to the care of children (age 0- 18) with stable/unstable, ill defined, acute and chronic illnesses. Application of the nursing process, critical thinking and interprofessional collaboration results in nursing care decisions that protect, promote and optimize health and abilities, prevent illness/injury, facilitate healing, alleviate suffering through the diagnosis and treatment of human response, and advocate for the care of individuals. Prerequisites: All 300 level nursing courses. Co-requisites: NURS 425 - Nursing Leadership and Management, NURS 431 - Community Health II, NURS 498A - Clinical Concepts II. Fall.

**NURS 416 - Advanced Concepts III Special Populations (2)**

This course focuses on advanced psychiatric, oncologic, gerontologic, maternal/newborn and end-of-life nursing concepts. Evidence based nursing interventions are applied to special client populations to protect, promote and optimize health and abilities, prevent illness/injury, facilitate healing, alleviate suffering through the diagnosis and treatment of human response, and advocate for the care of individuals, families, groups, communities, and populations across the lifespan. Prerequisites: All 300 level nursing courses, NURS 415 - Advanced Concepts II Child Health, NURS 425 - Nursing Leadership and Management, NURS 431 - Community Health II, NURS 498A - Clinical Concepts II. Co-requisites: NURS 435 - Synthesis, NURS 498B - Clinical Concepts III, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**NURS 425 - Nursing Leadership & Management (3)**

This course introduces leadership and management concepts for providing care within the continually evolving health care environment. Legal/ethical issues, decision making, health care delivery systems, staffing, team building/communication, interprofessional collaboration, case management, informatics, change, quality improvement and role transition are explored to enhance communication for professional nursing practice, problem solving and decision making. Prerequisites: All 300 level nursing courses and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisites: NURS 415 - Advanced Concepts II Child Health, NURS 431 - Community Health II, NURS 498A - Clinical Concepts II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**NURS 431 - Community Health II (3)**

This course expands upon previous community/public health concepts and focuses on utilization of the nursing process and evidence based nursing interventions tailored to groups, communities and populations across the lifespan. Importance is placed on providing culturally appropriate care for vulnerable and increasingly diverse populations and addressing concerns surrounding environmental and global health issues for the protection, promotion and optimization of health and abilities, prevention of illness and injury, facilitation of healing, alleviation of suffering through the diagnosis and treatment of human response, and advocacy in the care of individuals, families, groups, communities, and populations. Prerequisites: All 300 level nursing courses. Co-requisites: NURS 415 - Advanced Concepts II Child Health, NURS 498A - Clinical Concepts II, NURS 425 - Nursing Leadership and Management. Fall.

**NURS 435 - Synthesis (2)**

This capstone course reinforces integration and application of the nursing process, therapeutic nursing interventions and critical thinking to protect, promote and optimize the health and abilities, prevent illness/injury, facilitate healing, alleviate suffering through the diagnosis and treatment of human response, and advocate for the care of adults with stable/unstable, ill defined, acute and chronic illness. Predictive exams assess NCLEX-RN readiness and provide opportunities to prepare for successful licensure. Prerequisites: All 300 level nursing courses, NURS 415 - Advanced Concepts II Child Health, NURS 425 - Nursing Leadership and Management, NURS 431 - Community Health II, NURS 498A - Clinical Concepts II. Co-requisites: NURS 416 - Advanced Concepts III Special Populations, NURS 498B - Clinical Concepts III. Spring.

**NURS 491 - Nursing Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. NURS 491 is a capstone course.

**NURS 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**NURS 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**NURS 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by instructor and department chair. Fall, Spring, Summer. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by instructor and department chair. Fall, Spring, Summer.

**NURS 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**NURS 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**NURS 498A - Clinical Concepts II (3)**

This course builds upon Clinical Concepts I by applying the nursing process in complex care situations and by developing community partnerships for expanded role experiences. Leadership and management opportunities are introduced for the provision of interprofessional care in traditional health care settings. Formative experiences across the lifespan are provided that require therapeutic communication, critical thinking skills, and program values to protect, promote and optimize health and abilities, prevent illness/injury, facilitate healing, alleviate suffering through the diagnosis and treatment of human response, and advocate for the care of individuals, families, groups, communities, and populations. Prerequisites: All 300 level nursing courses. Co-requisites: NURS 415 - Advanced Concepts II Child Health, NURS 425 - Nursing Leadership and Management, NURS 431 - Community Health II. S/U grading only. Fall.

**NURS 498B - Clinical Concepts III (4)**

This capstone course builds upon Clinical Concepts II by continuing designated experiences and integrating internship experiences that require the application of comprehensive evidence based practice to enhance critical thinking, independent decision making and self-confidence. This summative experience and active participation as a member of the interprofessional health care team supports mastery of entry level registered nurse competencies to protect, promote and optimize health and abilities, prevent illness/injury, facilitate healing, alleviate suffering through the diagnosis and treatment of human response, and advocate for the care of individuals, families, groups, communities, and populations across the lifespan. Prerequisites: All 300 level nursing courses, NURS 415 - Advanced Concepts II Child Health, NURS 425 - Nursing Leadership and Management, NURS 431 - Community Health II, NURS 498A - Clinical Concepts II. Co-requisites: NURS 435 - Synthesis, NURS 416 - Advanced Concepts III Special Populations. S/U grading only. Spring.

**NURS 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**PHIL - PHILOSOPHY****PHIL 101 - Introduction To Philosophy (3)**

A study of the origin of philosophy with special emphasis on the ways philosophy and philosophical thought appear in the ordinary experiences of human beings. Prerequisite: ENGL 110 - College Composition I or ENGL 111H - Honors Composition I. ENGL 120 - College Composition II or ENGL 121H - Honors Composition II co-requisite recommended.

**PHYS - PHYSICS****PHYS 110 - Introductory Astronomy (3)**

This course reviews basic information on the history of astronomy, the appearance of the night sky, the principle of gravity, the nature of light and telescopes, the structure and dynamics of the Solar System, the evolution of stars, the Milky Way and other galaxies, and the expanding universe. Co-requisite: PHYS 110L - Introductory Astronomy Lab. Fall, odd years.

**PHYS 110L - Introductory Astronomy Lab (1)**

This laboratory experience includes experiments designed to illustrate the fundamental principles of astronomy as well as the physics involved in the collection and interpretation of astronomical data. If weather permits, real nighttime observations with the use of small telescopes will also be included. Co-requisite: PHYS 110 - Introductory Astronomy. Fall, odd years.

**PHYS 211 - College Physics I (3)**

Descriptive algebra-based course which covers the basic principles of Newtonian mechanics and gravitation, work and energy, solids and fluids, and heat and thermodynamics. Prerequisite: MATH 103 - College Algebra. Co-requisite: PHYS 211L - College Physics I Lab. Fall.

**PHYS 211L - College Physics I Lab (1)**

This laboratory experience includes simple experiments which illustrate the basic principles of Newtonian mechanics and gravitation, work and energy, solids and fluids, and heat and thermodynamics. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: PHYS 211 - College Physics I. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**PHYS 212 - College Physics II (3)**

Descriptive algebra-based course which covers the basic principles of electricity and magnetism, vibrations and waves, light and optics, and an introduction to modern physics. Prerequisites: PHYS 211/PHYS 211L - College Physics I and Lab. Co-requisite: PHYS 212L - College Physics II Lab. Spring.

**PHYS 212L - College Physics II Lab (1)**

This laboratory experience includes simple experiments which illustrate the basic principles of electricity and magnetism, vibrations and waves, light and optics, and an introduction to modern physics. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: PHYS 212 - College Physics II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**PHYS 251 - University Physics I (4)**

Calculus-based classical physics which covers the principles of Newtonian mechanics and gravitation, work and energy, solids and fluids, and heat and thermodynamics. Prerequisite: MATH 165 - Calculus I. Co-requisite: PHYS 251L - University Physics I Lab. Spring, even years.

**PHYS 251L - University Physics I Lab (1)**

This laboratory experience includes experiments which illustrate the fundamental principles of Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics. Co-requisite: PHYS 251 - University Physics I. This course is designated as part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**PHYS 252 - University Physics II (4)**

Calculus-based classical physics which covers the principles of electricity and magnetism, vibrations and waves, light and optics, and an introduction to modern physics. Prerequisites: MATH 165 - Calculus I, MATH 166 - Calculus II and PHYS 251/PHYS 251L - University Physics I/Lab. Co-requisite: PHYS 252L - University Physics II lab. Fall, even years.

**PHYS 252L - University Physics II Lab (1)**

This laboratory experience includes experiments which illustrate the fundamental principles of electricity and magnetism, vibrations and waves, light and optics, and an introduction to modern physics. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: PHYS 252 - University Physics II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**PHYS 291 - Physics Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**PHYS 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**PHYS 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**PHYS 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**PHYS 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**PHYS 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**PHYS 297 - Physics Internship, Externship, Cooperative Education (1-6)**

Students will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**PHYS 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**PHYS 491 - Physics Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**PHYS 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**PHYS 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**PHYS 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**PHYS 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**PHYS 496 - Study Tours (1-6)**

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**PHYS 497 - Physics Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**PHYS 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**PLSC - PLANT SCIENCE****PLSC 110 - World Food Crops (3)**

Scientific principles of crop growth, worldwide production, management alternatives, and processing for domestic and international consumption. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**PLSC 225 - Principles of Crop Production (3)**

This course emphasizes the scientific principles and practices of modern crop production. Specific methods to produce field crops successfully are introduced, as well as emerging production strategies in industrial and developing nations. Prerequisite: PLSC 110 - World Food Crops or equivalent. Fall.

**PLSC 235 - Field Scouting Techniques (2)**

Provide students the skills necessary for proper pest identification and crop scouting techniques. Information such as crop growth and development, pest life cycles, damage symptoms and economic thresholds will be covered. Prerequisites: PLSC 110 - World Food Crops and PLSC 225 - Principles of Crop Production. Spring.

**PLSC 323 - Principles Of Weed Science (3)**

Introduction to biological, chemical, cultural, and mechanical weed control, characteristics of weeds and their identification, pesticides application and dissipation. Spring, odd years.



**PLSC 486 - Forages and Forage Systems (3)**

An in depth discussion of forage crops including: forage species and varieties, establishment, management, quality analysis, and role in successful crop rotations. Emerging production practices in forage management and systems will be described. Discussion and student presentations will play a major role in this course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**POLS - POLITICAL SCIENCE****POLS 115 - American Government (3)**

What can you do that the government does not control or regulate in some way? How well do you know the processes of the government of the United States? This course introduces the basic concepts of the political process such as democracy and Constitutional government. We will also examine the structural relationships of the national government. Fall.

**POLS 201 - The Criminal Justice System (3)**

An introductory overview of the American criminal justice system, including the police, courts, probation, jails, prisons, and parole systems. The emphasis is on the United States, but comparisons with criminal justice systems in other societies may be included.

**POLS 216 - State and Local Government (3)**

This course examines political institutions, actors, and issues within American state and local governments. Among other topics, our class will discuss federalism, political culture, state campaigns and elections, political parties, public policies, constitutional provisions, and state government branches (legislative, executive, and judicial). Spring, odd years.

**POLS 240 - Political Ideologies (3)**

What is democracy? What is the difference between Communism and Socialism? What are the fundamental ideas of Islam? These questions and more will be answered in Practical Political Thought. This course examines the basic principles and features of contemporary political ideologies. This is a "must have" course if you want to understand world events that affect you. Spring, alternate years.

**POLS 291 - Political Science Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**POLS 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**POLS 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**POLS 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**POLS 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**POLS 296 - Study Tour (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**POLS 297 - Political Science Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**POLS 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**POLS 315 - Public Opinion (3)**

A review of the social and political forces which shape public opinion, with emphasis on the linkages between public opinion and voting behavior. Students will learn the methods of survey research and data analysis. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**POLS 325 - Research Methods (3)**

Introduction to research methods in social and behavioral sciences, with emphasis on the scientific method, research design, data collection, and data analysis strategies of experimental, observational, and survey research methods. Prerequisite: ENGL 120 - College Composition or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with CJ 325, HIST 325, and SOC 325.Spring.

**POLS 330 - History of Political Thought (3)**

What is the best way to organize society? Plato thought he knew, so did Aristotle and Marx, and now you can, too. This course examines the development of political thought from Plato to the present. The focus of the course is on the ideas of political thought that retain their relevance for today's society. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**POLS 340 - American Political Parties and Elections (3)**

Do the political parties still have relevance in the United States? Can the political parties still function as a linkage mechanism between the people and the government? What do elections tell our leaders? The focus of this course will be on the dynamics of the political parties in the United States. Special consideration will be given to the structure, functions, and operation of the political parties in the United States. As an expansion of one of the fundamental goals of the political parties, the essential role of elections in a mass democracy will be examined in detail.

**POLS 345 - U.S. Presidency (3)**

Just how powerful is the President of the United States? Are the president's hands tied by the bureaucracy that the president oversees? This course will examine the nature, the scope, and the limits of the president's power. Special emphasis will be placed on those individuals surrounding the president. The president's role in the development of public policy will also be examined.

**POLS 346 - U.S. Congress (3)**

Most Americans seem to hold a very low opinion of the institution of Congress, but their own member of Congress is beyond reproach. Why do Americans hold such a low opinion of Congress? In this course we will examine the role that the Congress plays in our representative democracy. We will study the process of law making and the impact of elections, campaign financing, etc., on the process of legislation.

**POLS 347 - The Judicial System (3)**

Whether you have interacted with the judicial system or not, it is important to understand how the judicial system affects your life. The course emphasizes the structure of the judicial system at both the state and national level. Furthermore, we will examine the decision making process of the courts. We will scrutinize the role that the judiciary has played in the development of the United States.

**POLS 348 - The Bureaucracy (3)**

Is the bureaucracy the problem or the solution? Do we need the bureaucracy? We will address the nature of bureaucracies and the important role that they play in the United States. We will examine the influence that bureaucracies have on public policy, from policy making and policy implementation to policy evaluation.

**POLS 350 - International Relations (3)**

Are we on the verge of a new world order or will we continue to exist in a state of anarchy? Just how do countries interact? In this course we will examine the theories that underpin international relations and the impact that those theories have on our understanding of the world. This course focuses on efforts to control international relations through balance of power, international law, national self-interest, etc. Fall.

**POLS 355 - Soviet Union (3)**

This course focuses on the ideology, political structure of the former Soviet Union and its successor state, the Russian Federation. The Russian Revolutions of 1917 and 1991 will be examined, along with the political and economic factors that resulted in the collapse of the Soviet Communist regime. This course will also explore the transition to democracy and capitalism and the continuing ethnic conflict in the Russian Federation.

**POLS 360 - Comparative Government (3)**

How are the parliamentary governments of Canada and Great Britain different from the government of the United States? Who influences the government of Mexico? This course emphasizes the theory and techniques of examining the government of foreign countries. We will study the structure, functions, and political processes of the government of other countries. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, alternate years.

**POLS 365 - United States Supreme Court and the Constitution (3)**

Survey of the history of the United States Supreme Court, its decisions, and its place in American history. Cross-listed with HIST 365. Spring, odd years.

**POLS 375 - Environmental Economics, Law and Public Policy Development (3)**

Students in this course will be introduced to environmental decision-making scenarios using case studies, legislation, state and federal law and policy. This course will also introduce the students to the tools and concepts used by economists to understand environmental problems and the economic impact of environmental pollution and other problems. Prerequisite: Three hours of ECON or POLS coursework and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with BIOL 375. Spring, even years.

**POLS 380 - Energy Politics (3)**

This course provides an introduction to the politics, economics, and history of energy policy in the United States. Students will consider trade-offs, such as those between regulation and free-market operations, between competing sources of energy, and between competing political objectives. We will incorporate discussion of global issues that influence domestic policy decisions. Letter grade. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, alternate years.

**POLS 399 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**POLS 432 - Public Policy (3)**

One-third of the class is devoted to understanding the stages of the policy process: (1) Problem Identification and Agenda Setting.; (2) Policy Formulation; (3) Policy Adoption; (4) Policy Implementation; (5) Policy Evaluation. The last two thirds applies to the model to substantive policy areas such as health, environment, education.

**POLS 491 - Political Science Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. POLS 491 is a capstone course. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**POLS 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**POLS 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**POLS 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair

**POLS 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**POLS 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**POLS 497 - Political Science Internship, Externship, Cooperative Education (1-6)**

Students will be placed in an off-campus company or agency which will provide the student with specific activities that will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**POLS 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific discipline. Requires approval by department chair.

**PSYC - PSYCHOLOGY****PSYC 111 - Introduction to Psychology (3)**

The course is an introduction to major theories, concepts, and information in psychology. Various fields are surveyed such as child development, personality, memory, therapy, etc. The course is prerequisite to all other psychology courses. Fall, Spring.

**PSYC 240 - Human Sexuality (3)**

Sexuality is presented as a holistic concept including individual values/ethics, physiology, gender, development, family planning, disease, and sexual expression. Prerequisite: PSYC 111 - Introduction to Psychology. Fall.

**PSYC 250 - Developmental Psychology (3)**

A study of human life-span development including the developmental periods from conception to death. Various developmental theories will explain the physical, cognitive, and social changes that occur during the human life-span. This course enhances the knowledge and understanding of people at all ages and the developmental tasks each one of us must face. This course is required for all elementary education majors. Prerequisite: PSYC 111 - Introduction to Psychology. Fall, Spring.

**PSYC 260 - History and Systems (3)**

Reviews the history of modern systems of psychology dealing with the continuous development and decline of different systematic schools of thought regarding the determinants of behavior. A large focus will be on major theorists and their ideas in relation to the history of psychology. Prerequisites: PSYC 111 - Introduction to Psychology and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**PSYC 270 - Psychology of Dreams (3)**

This course explores the history of the scientific study of dreams. Major theories are explained and are given practical application during weekly group sessions involving the study of students' dreams. Offered on demand.

**PSYC 289 - Group Dynamics (3)**

This course focuses on various issues and aspects of group interaction and leadership. Emphasis will be placed on the communication patterns, roles, power distribution, and decision making that occur in groups. Prerequisite: PSYC 111 – Introduction to Psychology.

**PSYC 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**PSYC 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**PSYC 294 - Independent Study, Undergraduate Research (1-6)**

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**PSYC 295 - Service Learning (1-6)**

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**PSYC 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**PSYC 297 - Psychology Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**PSYC 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**PSYC 320 - Health Psychology (3)**

This course is an introduction to the emerging field of behavioral medicine. It involves study of the relationship between personal health and psychological factors that help to maintain health or to predispose illness such as stress, attitudes, emotions, beliefs, lifestyle choices, etc. The objective is to provide information and techniques for the maintenance of optimal physical and mental health. A review of the human body systems is covered at the beginning of the course. Prerequisite: PSYC 111 - Introduction to Psychology. Fall, even years.

**PSYC 332 - Psychological Assessment (3)**

Various approaches to assessment are presented along with psychometric explanations of tests. The course focuses on appropriate use of assessment in psychology and education, a review of major tests, and interpretation of results. Prerequisite: PSYC 260 - History and Systems. Offered on demand.

**PSYC 335 - Biological Psychology (3)**

A survey of research findings on the biological processes underlying sensation, perception, movement, motivation, learning, memory, attention, emotion, language, intelligence, sexual behavior, altered states of consciousness, neurological disorders, and psychological disorders. Prerequisites: PSYC 111 - Introduction to Psychology, PSYC 260 - History and Systems and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**PSYC 345 - Research and Experimentation in Psychology I (3)**

This is an introduction to and survey of basic research procedures, experimentation, and statistics used in social sciences and education. Students will design and implement individual research projects which will be completed in PSYC 346, PSYC 494 and be completed and presented in PSYC 491. Prerequisites: PSYC 111 - Introduction to Psychology and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II and PSYC 260 - History and Systems. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**PSYC 346 - Research and Experimentation in Psychology II (3)**

A continuation of research in psychology (PSYC 345). This course will continue to survey basic research procedures, experimentation, and statistics used in social sciences and education. Students will design and implement individual research projects which will continue in PSYC 494 and be completed and presented in PSYC 491 as the Senior Capstone project. Prerequisites: PSYC 111 - Introduction to Psychology and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. PSYC 260 - History and Systems and PSYC 345 - Research and Experimentation in Psychology I. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**PSYC 353 - Adolescent Psychology (3)**

This course will involve a study of human change during the developmental period of adolescence. Emphasis will be given to biological, cognitive, and psychosocial development. Other issues regarding the contexts of adolescent development and adolescent problems will also be addressed. Prerequisite: PSYC 111 - Introduction to Psychology. Fall, Spring.

**PSYC 355 - Psychology of Learning (3)**

Examines the theoretical and experimental bases of learning with emphasis on behavioral, social, biological, and cognitive theories. Through lecture, readings, and class activities, students will better understand how to apply learning theories and principles in educational settings. Prerequisite: PSYC 111 - Introduction to Psychology. Spring, odd years.

**PSYC 360 - Forensic Psychology and Criminal Profiling (3)**

This course will investigate aspects of criminal psychology, including forensic evidence analysis, criminal offender characteristics and profiling, application of the behavioral sciences in criminal investigations, and the criminal justice system. Prerequisite: PSYC 111 - Introduction to Psychology. Spring, odd years.

**PSYC 365 - Social Psychology (3)**

The focus is on human social interactions and how individual behavior affects and is affected by others. Theories and research findings are applied to such topics as affiliation, relationships, prejudice, aggression, persuasion, etc. Prerequisite: PSYC 111 - Introduction to Psychology. Fall.

**PSYC 370 - Abnormal Psychology (3)**

The course traces historical perspectives but focuses on current views of psychopathology. Material is presented from the perspective of the Diagnostic and Statistical Manual and includes symptoms, diagnostic criteria, characteristics, treatment, and etiology of each major disorder. Prerequisite: PSYC 111 - Introduction to Psychology. Sophomore standing or above only. Fall, Spring even years only.

**PSYC 375 - Theories of Personality (3)**

This course explores major theories of personality and applies them to self-understanding, group processes, collaboration, leadership, and life situations. Prerequisite: PSYC 111 - Introduction to Psychology. Fall, Spring, even years only.

**PSYC 410 - Counseling Psychology (3)**

Counseling theories and their practical applications in various settings. Emphasizes characteristics of the individual. Prerequisites: PSYC 250 - Developmental Psychology, PSYC 370 - Abnormal Psychology, PSYC 375 - Theories of Personality. Offered on demand.

**PSYC 420 - Drugs, the Brain and Behavior (3)**

This course covers the characteristics and mechanisms underlying the major classes of psychotherapeutics and drugs of abuse (e.g., alcohol, stimulants, depressants). The primary focus of the course is the biological and physiological basis of drugs and their effect on the brain and human behavior. Prerequisite: PSYC 111 - Introduction to Psychology.

**PSYC 491 - Seminar In Psychology (3-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. In addition students will complete their research projects and present them at a research conference in poster, oral, or both format (Senior capstone project). Prerequisites: Senior standing and PSYC 345 and PSYC 346 - Research and Experimentation in Psychology I and II and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. PSYC 491 is a capstone course. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**PSYC 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Independent study topic must be approved prior to registration by instructor. Requires approval of department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires the student to sign up independently with a Psychology faculty member and final approval by department chair. Also used for requirement of 1 credit in the Fall semester of the senior year to continue work on independent research project designed and implemented in PSYC 345 - Research and Experimentation in Psychology I and PSYC 346 - Research and Experimentation in Psychology II.

**PSYC 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**PSYC 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**PSYC 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**PSYC 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**PSYC 497 - Psychology Internship, Externship, Cooperative Education (3)**

This capstone course provides application of psychological knowledge through study, observation, and practice in institutions, agencies, schools, and/or businesses. Students will be under the supervision of the supervising college instructor and/or field supervisor who will outline specific objectives and provide opportunities to experience growth towards program objectives. Prerequisites: Senior standing, PSYC 370 - Abnormal Psychology, PSYC 375 - Theories of Personality. Fall, Spring.

**PSYC 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**RELS - RELIGION****RELS 291 - Religious Studies Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**RELS 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**RELS 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**RELS 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**RELS 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**RELS 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**RELS 297 - Religion Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**RELS 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**RELS 491 - Religious Studies Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. RELS 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**RELS 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**RELS 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**RELS 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair.

**UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**RELS 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**RELS 496 - Study Tour (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**RELS 497 - Religion Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**RELS 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**RNG - RANGE SCIENCE****RNG 236 - Introduction to Range Management (4)**

Introduction to basic principles of range management, range evaluation, range improvement and identification of common rangeland plants in the Northern Great Plains. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**RNG 350 - Range Plants and Communities (3)**

Identification, taxonomy, distribution, and forage value, and relationships of important U.S. range plants. Fall.

**RNG 436 - Range and Pasture Management (3)**

Course covers advanced principles of range management including the biology of plant growth, tiller simulation, nutrient cycling, and grazing strategies to enhance the ecosystem. Requirements include a 2-3 day field trip and students preparing an actual ranch grazing plan. Pre- or Co-requisites: RNG 236 - Introduction to Range Management and GIS 380 - Applied Arc GIS or equivalent. Fall.

**RNG 446 - Advance Range and Forage Planning (1-2)**

Utilize management strategies based on biological requirements of plants and ecosystem to provide for animal nutritional requirements for each of the 12 months. Expectation is for participants to design a grazing/forage plan for an actual ranch. Prerequisite: RNG 436 - Range and Pasture Management. Spring.

**RNG 451 - Range Monitoring Techniques (1)**

A field based exploration into the monitoring and evaluation tools used by range researchers and producers. The course includes traditional tools and methods complimented by student evaluation of recently developed monitoring methods. Fall.

**RNG 453 - Rangeland Resources Watershed Management (3)**

Study of the management of physical/biological settings and processes along with human activities on water and watersheds considering preventative and restorative strategies in a natural resource rangeland setting. Spring, even years. This course is offered on a contractual basis with North Dakota State University through Interactive Video Network (IVN).

**RNG 456 - Range Habitat Management (3)**

Capstone course to include specific techniques and systems approaches to maintenance and improvement of rangeland ecosystems. Spring, odd years. This course is offered on a contractual basis with North Dakota State University through Interactive Video Network (IVN).

**RNG 457 - Range Reclamation and Restoration (3)**

Ecological principles, practices and applied technology involved in the restoration and reclamation of severely disturbed rangelands will be discussed and analyzed. Primary emphasis will be placed on vegetation and factors impacting vegetation recovery and/or establishment. Class will include on-site field trips to ranches, oil field sites and/or open pit coal mine locations in western ND. Pre- or Co-requisites: SOIL 210 - Introduction to Soil Science, PLSC 110- - World Food Crops, PLSC 486 - Forages and Forage Systems, RNG 350 - Range Plants and Communities and RNG 458 - Rangeland Ecology. Spring, odd years.

**RNG 458 - Rangeland Ecology (3)**

Basic ecology terms and process related to rangeland habitats are covered. The grazing animal/plant interface and subsequent impact on rangeland ecosystems are the focuses of this course. The class will cover both domestic and wildlife grazing ecology. Discussions on current rangeland topics and a group presentation are integral parts of the class. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**RNG 480 - Conflict Resolutions in Agriculture (1)**

This course will build on conflicting dilemmas that face different stake holders for the use of our nation's grassland. It will challenge students to critical thinking about the role of policy makers, the nature of cooperation, social responsibility in the use of our natural resources in the rangeland regions of the country. Spring, even years.

**RNG 491 - Range Seminar (1)**

In this capstone course, students will critically analyze and propose research-based solutions to problems related to rangeland issues. Prerequisite: Senior standing. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with AGRI 491. Spring.

**RNG 496 - Summer Field Study (1-6)**

Practical field experience, such as working on a summer research crew, to gain working knowledge of plants, biology, and field data collection. Experience must include data collection and plant identification. Departmental preapproval of work site and cooperation agreement are required. Available for 1-6 credits (approximately 80 hours field work/credit). Summer.

**SCNC - SCIENCE****SCNC 105 - Physical Science (3)**

This course provides an overview of the fundamental concepts in the fields of physics, chemistry, earth science and astronomy. The interrelations between all of these fields, the historical and societal relevance of the concepts, and the importance of mathematics in science are also discussed. Proficiency in algebra is required. Co-requisite: SCNC 105L - Physical Science Lab. Spring.

**SCNC 105L - Physical Science Lab (1)**

This laboratory provides students with experience taking basic scientific measurements as well as illustrates some of the physics, chemistry, earth science and astronomical concepts presented in the physical science course. Co-requisite: SCNC 105 - Physical Science. Spring.

**SCNC 291 - Sophomore Science Seminar (1)**

Introduces students to the breadth of professions available to science majors. Topics to be addressed for various careers will include the pros and cons of the occupation, the education level required to enter the profession, suggested course work, required exams, and more. S/U grading only. Fall.

**SCNC 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SCNC 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SCNC 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**SCNC 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.



**SCNC 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SCNC 297 - Science Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**SCNC 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SCNC 315 - Weather and Climate (3)**

The physical elements of global weather and climate are studied along with weather analysis and forecasting, winds, clouds, precipitation, storms, air pollution, and weather modification. Emphasis on the application of weather to daily life. Prerequisite: 7 credits of Natural Science course work (credit for GEOG 121 - Physical Geography may be applied to the 7 credit prerequisite) and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with GEOG 315. Spring, odd years.

**SCNC 389 - Scientific Writings and Readings (2)**

Provide students with the skills to read and write scientific professional publications and journal articles. Course will include reading and discussion of scientific principles, ethics, and rationale. Students will have instruction and practice in writing about science clearly, accurately and concisely. Students will learn how to produce professional quality publications and journal articles. Emphasis will be on the natural sciences. Prerequisites: Any Natural Science course with a lab and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Students strongly advised to complete this course during sophomore year. Fall.

**SCNC 390 - Science Research I (1)**

This is the first of a three semester sequence dedicated to a capstone research project that will culminate in a written scientific manuscript and verbal presentation in SCNC 491. In this class, students will select a research mentor, and write a literature review and research proposal. Prerequisite: BIOL 389 - Scientific Writings and Readings, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with BIOL 390. Spring.

**SCNC 410 - Current Issues in Environmental Science (2)**

A seminar-style course where modern issues in environmental science will be discussed and debated by the class. Exact topics change from year to year as the environmental science field evolves. Prerequisites: At least two of the following: BIOL 150 - General Biology I, CHEM 121 - General Chemistry I, GEOL 105 - Physical Geology, and junior or senior status. Fall, even years.

**SCNC 480 - Lab Practicum (1)**

Course designed for the student to gain experience in the preparation and execution of the laboratory experience. Students assist the instructor in course instruction. Prerequisite: Junior or Senior standing, restricted to education majors only, must have taken the course being instructed, permission of instructor. Offered on demand. S/U grading only.

**SCNC 490 - Science Research II (1)**

Student will conduct research on the topic that was chosen in SCNC 390 between themselves and their selected mentor. This will include the implementation of the research proposal, literature review, and maintaining a close relationship with the mentor. It is imperative during this course that the students maintain accurate notes, address any potential problems of the research, and begin working on the written report. The written report will be collected in SCNC 491. Cross-listed with BIOL 490. Fall.

**SCNC 491 - Science Seminar (1)**

This course is culmination of the science capstone research sequence. Students will write a publication quality research article and present their research in a public presentation. Restricted to graduating seniors. Cross-listed with BIOL 491. Prerequisite: SCNC 490 - Science Research II and ENGL 120 or ENGL 121H. SCNC 491 is a capstone course. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**SCNC 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SCNC 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SCNC 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SCNC 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SCNC 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SCNC 497 - Science Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**SCNC 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SEED - SECONDARY EDUCATION****SEED 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SEED 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SEED 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. Prerequisite: Admission to Teacher Education. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair. Prerequisite: Admission to Teacher Education.

**SEED 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SEED 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SEED 297 - Secondary Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**SEED 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SEED 366 - Learning and Literacy in the Secondary School (4)**

This course examines secondary curriculum planning, teaching methods, assessment strategies, and the holistic role of "teacher." Through a reflective process, students will learn to develop comprehensive courses, units, and lessons that include performance-based learning objectives, utilize research-based teaching practices, personalize their students' learning, rely on assessment data to guide current and subsequent instruction, and help their students meet established academic standards. An emphasis is placed on developmental reading as well as reading and study techniques that enhance the effectiveness of subject matter instruction. Students will integrate literacy into content areas instruction in major content areas. In the co-requisite field experience, students will teach in a secondary school, putting into practice course topics, including strategies for multicultural education and classroom management. Teaching is both an art and a craft. Planning, organizing, and evaluating are aspects of the craft of teaching, which provides a framework for student learning. Creativity, instructional style, and interpersonal skills are aspects of the art of teaching, which allows the instructor to customize the learning process and to meet the needs of individual students. This course will explore ways of combining these two aspects of teaching to provide a rich and productive classroom learning. Co-requisite: SEED 398B - Secondary Methods Block Field Experience I or SEED 398C - Secondary Methods Block Field Experience II. Fall.

**SEED 370 - Reading in the Content Areas (3)**

This course will teach reading and study techniques that enhance the effectiveness of subject matter instruction. A significant emphasis will be placed on developmental reading. Prerequisite: Admission to Teacher Education. Spring.

**SEED 390M - Secondary Instrumental Music Methods (3)**

This course prepares students to plan and supervise an instrumental program. Topics include curriculum development, materials, and implementation of general music and instrumental music at the secondary level. Prerequisite: Junior standing and Admission to Teacher Education and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Discipline program. Spring, odd years.

**SEED 390X - Teaching Secondary School Mathematics (3)**

A mathematics methods course for prospective secondary school teachers. This course includes curriculum and assessment planning, current trends and strategies in mathematics education, mathematics content based on the Common Core State Standards, and use of appropriate technologies. Prerequisites: Declared major or minor in mathematics education and Admission to Teacher Education. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. Spring, even years.

**SEED 398B - Secondary Methods Block Field Experience I (1)**

A course designed as an intensive 30-hour field experience in a secondary classroom. Students will have specific responsibilities for lesson planning, lesson execution, and reflective evaluation. The experience is structured to provide students an opportunity to apply strategies and theories studied in the co-requisite education courses. Prerequisite: Admission to Teacher Education. Co-requisites: either the Secondary Methods Block or the Disciplinary Methods Block. Fall, Spring. Course fee required.

**SEED 398C - Secondary Methods Block Field Experience II (1)**

A course designed as an intensive 30-hour field experience in a secondary classroom. Students will have specific responsibilities for lesson planning, lesson execution, and reflective evaluation. The experience is structured to provide students an opportunity to apply strategies and theories studied in the co-requisite education courses. Prerequisites: Admission to Teacher Education and SEED 398B - Secondary Methods Block Field Experience I. Co-requisites: either the Secondary Methods Block or the Disciplinary Methods Block. Fall, Spring. Course fee required.

**SEED 490A - Art Methods for K-12 Education (4)**

This course is for the K-12 art teacher emphasizing appropriate teaching methods, materials, techniques, curriculum planning and maintenance of an art classroom for students pursuing K-12 art certification. Prerequisite: Admission to Teacher Education, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: SEED 398B - Secondary Methods Block Field Experience I or SEED 398C - Secondary Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**SEED 490B - Methods in Business Education (3)**

Provides opportunity to develop an understanding of the learning needs of students at the elementary, middle, and high school levels; and the current trends, curriculum, and methods that are being utilized to develop instruction within business courses to meet the needs of these students. Prerequisite: Admission to Teacher Education. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. Fall.

**SEED 490C - Computer Science Education Methods (3)**

For those pursuing a career in secondary or elementary education. This course focuses on using computers to enhance the learning of other subjects, as well as evaluating educational software. A portion of the course is designed to provide hands-on experiences for the students in a variety of computing environments.

Prerequisites: CSCI 160 - Computer Science I and Admission to Teacher Education. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. Spring, alternate years.

**SEED 490D - Methods of Teaching Social Science (3)**

Curriculum, trends, methods, and materials of the social and behavioral sciences for junior and senior high school pre-service teachers. Prerequisite: Admission to Teacher Education. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. Fall.

**SEED 490H - Laboratory and Teaching Techniques of Spanish (2)**

Methods of teaching Spanish, including theory. Required of students earning teaching majors or minors in language. Not available for Directed Studies.

Prerequisites: 12 hours of Spanish or equivalent, Admission to Teacher Education, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**SEED 490K - Methods of Teaching Secondary Communication (3)**

This course presents students with approaches to designing and teaching communication courses in middle and high schools. Through readings, activities, and field experiences, students will explore theories and methodologies for teaching middle and high school students topics such as interpersonal and group communication, public speaking, oral interpretation and performance, forensics (including competitive speech and debate), and multimedia communication, including composing and reading oral, visual, and multimedia texts. A focus will be on development and assessment of secondary students' communication skills and their achievement of content standards for speaking and listening. Prerequisite: Admission to Teacher Education. Co-requisites: SEED 398B - Secondary Methods Block Field Experience I or SEED 398C - Secondary Methods Block Field Experience II. Fall, even years.

**SEED 490L - Methods of Teaching Secondary Language Arts (3)**

This course presents students with approaches to designing and teaching English language arts courses in middle and high schools. Through readings, activities, and field experiences, students will explore theories and methodologies for teaching secondary students topics such as phonics and fluency, analysis of fiction and nonfiction, written composition and research skills, history and conventions of standard English, vocabulary acquisition and use, and related technology tools. A focus will be on development and assessment of secondary students' English language arts skills and their achievement of content standards for reading, writing, and language. Prerequisite: Admission to Teacher Education and ENGL 120: College Composition II or ENGL 121H: Honors Composition II. Co-requisites: SEED 398B: Secondary Methods Block Field Experience I or SEED 398C: Secondary Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines Program. Fall, odd years.

**SEED 490M - Secondary Choral Music Methods (3)**

This course prepares students to plan and supervise a secondary choral program. Topics include curriculum development, methods, techniques, materials, and the implementation of general music and choral music at the secondary level. Prerequisites: Junior standing and Admission to Teacher Education and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**SEED 490S - Secondary Education Science Methods (3)**

Curricula, philosophy, trends, methods, and materials for prospective middle school and high school teachers. Includes modern approaches to classroom and laboratory preparation, conduction, and evaluation. Prerequisites: Admission to Teacher Education, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**SEED 490T - Methods of Teaching Secondary Theatre Arts (3)**

This course engages students in designing curriculum and effective instruction for theatre courses in secondary schools. Through readings, activities and field experiences, students will explore approaches to teaching secondary students the art and craft of theatre, addressing areas such as acting (including extracurricular plays), directing, designing, play writing, reading and interpreting plays, attending and critiquing performances, and studying theatre history. A focus will be on development and assessment of secondary students' skills across the theatre arts and their achievement of content standards for drama and theatre. Prerequisite: Admission to Teacher Education. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II.

**SEED 491 - Seminar In Secondary Education (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. It is open only to seniors and by consent of the instructor. SEED 491 is a capstone course. Prerequisites: Admission to Teacher Education, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SEED 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SEED 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SEED 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. Prerequisite: Admission to Teacher Education. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair. Prerequisite: Admission to Teacher Education.

**SEED 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SEED 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SEED 497 - Secondary Education Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked. May be taken for one, two, or three credits per semester and repeated until six credits are earned. Only three credits may be applied to a computer science major or minor. Requires approval by department chair.

**SEED 498 - Teaching in the Secondary School (13)**

Education students who will be taking this course will apply the concepts and methods learned in the teacher education program, Teachers as Reflective Decision Makers, to the classroom during 12 weeks of supervised teaching in their major and/or minor fields of study. In addition to the classroom, students will be involved in other aspects of the general program of the school. Prerequisites: Admission to Teacher Education and satisfactory completion of portfolio review. Fall, Spring. Course fee required.

**SEED 499 - Special Topics in Secondary Education (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SOC - SOCIOLOGY****SOC 110 - Introduction to Sociology (3)**

A review of how social forces shape the patterned behavior of social groups in families, schools, churches, in jobs, and other social settings. Emphasis is placed on the influence of social classes, minority group identification, and social control systems. Students will learn how sociologists collect and analyze data. Fall.

**SOC 115 - Social Problems (3)**

Students will have the opportunity to become familiar with a variety of contemporary national and international social problems. Students will learn how major issues become defined as social problems, how major theoretical perspectives and data sources help explain the social problems as they currently exist, and how conclusions are reached about public policy approaches and possible solutions to the problems. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**SOC 225 - The Criminal Justice System (3)**

An introductory overview of the American criminal justice system, including the police, courts, probation, jails, prisons and parole systems. The emphasis is on the U.S., but comparisons with criminal justice systems in other societies may be included.

**SOC 253 - Juvenile Delinquency (3)**

The study of juvenile delinquency is a specialized area of study within sociological criminology. The course typically provides a review of the history of the legal and social evolution of delinquency, the major social science theories of delinquency, the relevance of the social context for delinquency, institutional responses to juvenile delinquency in law enforcement and corrections, and the development of public policies that apply to juvenile delinquency. Cross-listed with CJ 253 - Juvenile Delinquency.

**SOC 291 - Sociology Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**SOC 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SOC 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SOC 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**SOC 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SOC 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SOC 297 - Sociology Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**SOC 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SOC 310 - Sex and Drugs in Society (3)**

The course will cover the relationship between drug use and crime in society alongside the social and political policies that control trafficking, abuse, and drug-related crime. The course will also examine a range of sex crimes, deviance, and society's social control of sexual behavior.

**SOC 315 - Public Opinion (3)**

A review of the social and political forces which shape public opinion, with emphasis on the linkages between public opinion and voting behavior. Students will learn the methods of survey research and data analysis.

**SOC 320 - Deviant Behavior (3)**

Instead of asking why some people are different, this course asks why some people are treated differently. An analysis of the social processes which result in the social definition and reaction to behavior as deviant in the context of families, social networks, subcultures, and agencies of social control.

**SOC 325 - Research Methods (3)**

Introduction to research methods in social and behavioral sciences, with emphasis on the scientific method, research design, data collection, and data analysis strategies of experimental, observational, and survey research methods. Prerequisite: ENGL 120 - College Composition or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Cross-listed with CJ 325, HIST 325, and POLS 325. Spring.

**SOC 351 - Introduction to Corrections (3)**

This course is intended to provide students with the knowledge and skills necessary to address political and social issues related to corrections and to provide students with an important knowledge base for jobs or careers that involve corrections. The course includes a review of the history of punishment; alternatives to imprisonment through jails, probation, fines, and other intermediate sanctions; the various types of correctional systems found in state, local, federal, and private sectors; the custodial, management, and treatment functions of corrections; male, female, juvenile, and special offender clients of correctional agencies, the rights of correctional clients; the reintegrative correctional functions of parole and community programs; and the future trends and issues of corrections.

**SOC 360 - Sociology of Aging (3)**

An analysis of aging within the context of the life cycle with emphasis on the major issues of concern to the elderly and the social policies, especially Social Security and health care, which have an impact on the lives of the elderly.

**SOC 361 - Victims and Victimology (3)**

Examines the various forms of family violence in relation to child abuse, battering, incest, and sexual assault. Topics include society's perceptions of victims, theories of victimization, the nature of victimization, patterns of victimization, recent societal responses to the problems of victims, treatment, and prevention. Particular attention is given to the victim rights and compensation, fear of crime measuring victimization, and the impact of victimization on the individual. Cross-listed with CJ 361. Fall, odd years.

**SOC 365 - Communities in Modern Society (3)**

A comparative analysis of the characteristics of urban and rural communities within the context of social change. Special features of the course include a review of the major population shift from urban to rural regions, and the influence of rural and urban environments on lifestyle.

**SOC 370 - Marriage and Family (3)**

The study of marriage and family with a focus on the major changes in the life cycle patterns and demographic trends from the era of industrialization to the current era. Includes a review of the major challenges facing contemporary families, an examination of changing gender roles and parenting styles, and an analysis of the prospects for the families of the future.

**SOC 385 - Criminology (3)**

Sociology has been the core field in the study of crime in this century. The course reviews the contributions of sociologists including a comparison of public opinion on crime with the observations which arise from social theory and research on crime. Special features of the course include a review of major issues such as guns and crime, drugs and crime, and capital punishment. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SOC 491 - Seminar In Sociology (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. SOC 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SOC 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SOC 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SOC 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**SOC 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SOC 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SOC 497 - Sociology Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SOC 499 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SOIL - SOIL SCIENCE****SOIL 210 - Introduction to Soil Science (4)**

Physical, chemical, and biological properties of soils as related to use, conservation, and plant growth.

Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**SOIL 321 - Soil Management and Conservation (3)**

Principles and practices of soil management and conservation planning in relation to erosion, tillage systems, crop production, sustainability, and environmental quality. Prerequisite: SOIL 210 - Introduction to Soil Science or permission of instructor. Fall, odd years.

**SOIL 322 - Soil Fertility and Fertilizers (3)**

Principles of plant nutrition and soil nutrient availability, soil testing, fertilizer recommendations and management. Marco nutrient emphasis. Prerequisite: SOIL 210 - Introduction to Soil Science or permission of instructor. Spring, odd years.

**SOIL 350 - Soil Health and Productivity (3)**

An investigation of the concept and measurement of soil health and of the soil properties and processes necessary to maintain soil health and productivity, with an emphasis on long-term sustainable crop production. Prerequisite: SOIL 210 - Introduction to Soil Science. Spring, even years.

**SOIL 444 - Soil Genesis and Survey (4)**

Introduction to soil genesis, morphology, geography, techniques of soil survey; field studies and description of soils. Field trip is required. Cross-listed with GEOG 444. Prerequisite: SOIL 210 - Introduction to Soil Science, GEOL 105 - Physical Geology, or GEOG 121 - Physical Geography. Fall, even years.

**SOIL 455 - Soil Microbiology (3)**

This course provides a fundamental understanding of the structure and function of soil communities with an emphasis on: 1) the diversity and distribution of organisms inhabiting the soil, 2) plant-microbial interactions, 3) interactions and functions within ecosystem processes, 4) management of soil microorganisms in different ecosystems, and 5) soil microbial research techniques. Prerequisites: SOIL 210 - Introduction to Soil Science or BIOL 305 - General Microbiology or permission of instructor. Cross-listed with BIOL 455. Spring, even years.

**SPAN - SPANISH****SPAN 101 - First Year Spanish I (4)**

An introduction for students who want to acquire the basics of language patterns for modern Spanish. This course should be taken in sequence and includes Language Laboratory Fall, Spring.

**SPAN 102 - First Year Spanish II (4)**

An introduction for students who want to acquire the basics of language patterns for modern Spanish. This course should be taken in sequence and includes Language Laboratory. Prerequisite: SPAN 101 - First Year Spanish I or equivalent. Fall, Spring.

**SPAN 201 - Second Year Spanish I (4)**

For intermediate or second-year students. Includes a review of major concepts. Review of first-year program to increase grammatical and conversational proficiency. Concentration on new structures and idiomatic expressions and includes Language Laboratory. Students who have had two years of high school Spanish should begin studies with this sequence. Prerequisite: SPAN 102 - First Year Spanish II or equivalent. Fall, Spring.

**SPAN 202 - Second Year Spanish II (4)**

For intermediate or second-year students. Includes a review of major concepts. Review of first-year program to increase grammatical and conversational proficiency. Concentration on new structures and idiomatic expressions and includes Language Laboratory. Students who have had two years of high school Spanish should begin studies with this sequence. Prerequisite: SPAN 102 - First Year Spanish II or equivalent. Fall, Spring.

**SPAN 291 - Spanish Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**SPAN 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SPAN 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SPAN 294 - Independent Study (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.



**SPAN 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SPAN 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SPAN 297 - Spanish Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**SPAN 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SPAN 321 - Advanced Spanish (3)**

A course aimed at third-year Spanish students which includes grammar review, vocabulary acquisition, reading skills enhancement, and an introduction to Hispanic literature. Prerequisite: SPAN 202 - Second Year Spanish II or equivalent and ENGL 120 - College Composition II and ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall.

**SPAN 350 - Hispanic Civilization and Culture (2)**

An introduction to the diversity and complexity of the Hispanic world. Selected readings and cultural presentations generate topics for discussion which include the cultural history of Spain and the New World, Hispanic current events, and contemporary culture. Taught in Spanish. Prerequisites: SPAN 321 - Advanced Spanish or equivalent. and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**SPAN 425 - Hispanic Literature (3)**

Students read representative Hispanic literature dealing with universal themes. Taught in Spanish. Prerequisites: SPAN 321 - Advanced Spanish or equivalent and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Every third semester.

**SPAN 440 - Senior Conversation and Composition (3)**

A situational approach to advanced writing and speaking. Students learn to discuss and develop current events and controversial topics in a critical manner. Prerequisites: SPAN 321 - Advanced Spanish or equivalent and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Every third semester.

**SPAN 480 - Senior Project (1)**

In consultation with a faculty advisor the student develops a research, pedagogical or creative project resulting in a presentation to an audience of students and faculty from the Department of Language and Literature during the annual Language Conference. All students are required to register their projects and provide a project summary to the department. They are also required to attend a workshop or workshops on conference preparation. Prerequisites: 24 semester hours of Spanish and the consent of the instructor, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**SPAN 491 - Spanish Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. SPAN 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SPAN 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SPAN 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SPAN 494 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**SPAN 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SPAN 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SPAN 497 - Spanish Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**SPAN 499 - Special Topics In Spanish (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SSCI - SOCIAL SCIENCE****SSCI 291 - Social Science Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**SSCI 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SSCI 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SSCI 294 - Independent Study, Undergraduate Research (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair.  
**UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**SSCI 295 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SSCI 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SSCI 297 - Social Science Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**SSCI 299 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.  
**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SSCI 491 - Social Science Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. SSCI 491 is a capstone course. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program.

**SSCI 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**SSCI 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**SSCI 494 - Independent Study (1-6)**

**INDEPENDENT STUDY:** An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. **UNDERGRADUATE RESEARCH:** Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**SSCI 495 - Service Learning (1-6)**

Credit may be granted for certain extra-curricular activities for which there is a direct connection and correlation between the activity and the academic objectives of a specific course in the University catalog. The appropriateness of the activity and subsequently awarding of academic credit will be at the discretion of the appropriate department chair. S/U grading only.

**SSCI 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**SSCI 497 - Social Science Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**SSCI 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. **READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**SWK - SOCIAL WORK****SWK 250 - Interpersonal Skills (3)**

An introductory course covering the basic knowledge and skills associated with helping processes, including interviewing skills. A special focus will be on the problem-solving process and interaction skills used in direct service activities with individuals. Fall.

**SWK 256 - Development of Social Welfare (3)**

An introduction to the historical development of social welfare, its historical landmarks, and the values and ideologies that influence its formulation. Included is information about the composition of the poor and the major social welfare programs that benefit them. The course will also provide a basic analytic model to evaluate social welfare policies. Fall.

**SWK 330 - Human Behavior and the Social Environment (3)**

This course reviews the bio-psycho-social-cultural aspects of human development across the life span within the context of Generalist Practice. Students will apply knowledge of human behavior and the social environment, person-in-environment and other multidisciplinary theoretical frameworks to provide social work across the life span. Spring.

**SWK 381 - Cultural Diversity (3)**

This course introduces social work students to the philosophy, ideology, spirituality, and ethnic and cultural perspectives of minorities in America. Special attention will be given to issues of "cultural competence" within the context of social work practice. Students will also examine societal issues generated by systematic discrimination and explore methods for reducing discrimination on a personal and societal level; and the cultural and historical context in different countries as they shape social work and social welfare. (Recommended for social work students only, or by permission of instructor.) Spring.

**THEA - THEATRE****THEA 100 - Production Workshop (1)**

Practicum in which students learn theatre through production experience. Must be in the cast or crew of a major university production. May be repeated for a total of two credits. S/U grading only. Fall, Spring.

**THEA 110 - Introduction to Theatre Arts (3)**

Surveys the elements of theatrical production including dramatic styles, acting, directing, design, and technical execution of design. Explores the major movements in dramatic literature from antiquity to today including: tragedy, comedy, modernism, and multicultural theatre, bringing them from the page to the stage. Includes background discussions, play reading, and play viewing. Fall.

**THEA 161 - Acting I (3)**

An introduction to acting for the theatre through physical and vocal training, creativity and emotional recall exercises, and actual performance. Provides liberal arts students with the opportunity to try this most popular of the theatre arts. Fall.

**THEA 200 - Production Workshop (1)**

Practicum in which students learn theatre through production experience. Must be in the cast or crew of a major university production. May be repeated for a total of two credits. S/U grading only. Fall, Spring.

**THEA 201 - Theatre Practicum (1)**

A practicum in which students receive hands-on experience with the arts of stage management, set building, lighting, costume, and other technical production areas. May be repeated for a total of four credits. Fall, Spring.

**THEA 210 - Movement for the Theatre (1)**

Practical exercises with the human body as an expressive tool in the theatre. Spring, odd years.

**THEA 222 - Stage Makeup (1)**

Theory and practice of makeup techniques for the stage including: basic corrective makeup, character makeup, scars and wounds, beards and prosthetics. Spring.

**THEA 251 - Summer Theatre (1-4)**

Participation in Dickinson State's own summer theatre program. May be repeated for a total of eight credits. Offered on demand.

**THEA 261 - Acting II (3)**

Continued study of acting techniques including: character work, script analysis, acting Shakespeare, auditioning, voice training, and advanced acting exercises. Students will rehearse and present at least one monologue and two scenes. Prerequisites: THEA 161 - Acting I, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**THEA 270 - Stagecraft (3)**

An introduction to the crafts and technologies of theatre production. To include at least the building, painting, rigging, and lighting of stage scenery and properties. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**THEA 280 - Script Analysis (3)**

This course provides actors, designers, and directors with the tools needed for breaking down and analyzing scripts intended for production. Using the framework of Aristotle's Formalist Analysis, we will explore given circumstances, dramatic structure, theme, language, character development, beats, social context, and mise-en-scene within a range of classic, contemporary, and post-modern texts. Prerequisite: THEA 110 - Introduction to Theatre Arts. Spring, even years.

**THEA 291 - Theatre Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**THEA 292 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**THEA 293 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**THEA 294 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**THEA 295 - Service Learning (1-6)**

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**THEA 296 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**THEA 297 - Theatre Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**THEA 299 - Special Topics, Readings (1-6)**

SPECIAL TOPICS: A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair. READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**THEA 301 - Theatre Practicum (1)**

An introduction to the crafts and technologies of theatre production. To include at least the building, painting, rigging, and lighting of stage scenery and properties. Spring.

**THEA 300 - Production Workshop (1)**

Practicum in which students learn theatre through production experience. Must be cast or crew in a major university production. May be repeated for a total of two credits. S/U grading only. Fall, Spring.

**THEA 310 - Directing (3)**

Selecting, analyzing, casting, rehearsing, and producing plays of various styles. Includes in-class scene studies and ends with a public performance of a one-act play. Prerequisite: THEA 261 - Acting II, THEA 110 - Introduction to Theatre and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring, even years.

**THEA 325 - Theatrical Design (3)**

Development of techniques in design for the theatre with application to stage scenery, lighting, and costumes. Includes drafting, painting, and shop work. Prepares students for independent study or senior project in one of the three application areas. Prerequisites: THEA 110 - Introduction to Theatre, ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, even years.

**THEA 350 - Theatre History (3)**

A survey of significant highlights in the development of western theatre from ancient times to the present. Students read representative plays from each period and conduct a project in historical research. Fall, odd years. Prerequisites: THEA 110 - Introduction to Theatre and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, odd years.

**THEA 360 - Advanced Acting (3)**

Continued study of acting techniques including: character work in a wide variety of styles, advanced voice and physical training, script analysis and actor coaching. Prerequisite: THEA 261 - Acting II. Spring.

**THEA 400 - Production Workshop (1)**

Practicum in which students learn theatre through production experience. Must be in the cast or crew of a major university theatre production, as defined by the department. May be repeated at this level for a total of two credits (one credit per semester). S/U grading only. Fall, Spring.

**THEA 450 - Senior Project (2-4)**

Special project of research or production in theatre arts, designed, and executed in consultation with a faculty advisor. Prerequisite: Consent of instructor and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**THEA 491 - Theatre Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. Prerequisite: ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. THEA 491 is a capstone course. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Offered on demand.

**THEA 492 - Experimental Course (1-6)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

**THEA 493 - Peer Tutoring (1-6)**

Students may earn credits by tutoring. Tutors are needed every semester in almost all academic areas. Interested students should contact the Student Opportunity and Resource Center. (Maximum eight credits may be applied to graduation.)

**THEA 494 - Independent Study, Undergraduate Research (1-6)**

INDEPENDENT STUDY: An individualized study not listed as a regular course in the University catalog. Content, etc., to be determined by instructor and student. Requires approval by department chair. UNDERGRADUATE RESEARCH: Research topic must be approved prior to registration by instructor. Written analysis of research activities required at end of semester. Requires approval by department chair.

**THEA 495 - Service Learning (1-6)**

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**THEA 496 - Study Tours (1-6)**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**THEA 497 - Theatre Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked.

**THEA 499 - Special Topics, Readings (1-6)**

**SPECIAL TOPICS:** A uniquely-designed advanced topics course within a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

**UNIV - UNIVERSITY STUDIES****UNIV 100 - Freshman Seminar (1)**

A one-hour introduction to college courses designed for all students admitted with 23 semester hours or less who have not completed an equivalent course at another institution.

**UNIV 104 - EES Freshman Seminar (3)**

An in-depth college transition course designed to assist new SSS students in campus engagement, college life, and the acquisition of basic academic, personal and financial planning skills. Restricted to TRIO SSS-grant students only.

**UNIV 109 - International Students Orientation (1)**

This course is designed to provide international students with information that they need to have for successful adjustment to college and community life. Required for all new international students.

**UNIV 150 - Study Skills (1)**

A survey of effective study techniques including note taking, time management, anxiety reduction, motivation, and memory techniques. Fall, Spring.

**UNIV 153 - Academic Skills Enhancement (3)**

Focuses on basic academic skills, such as effective reading, note-taking and outlining, summarizing; study skills and time management, with an emphasis on the importance of class attendance, adherence to deadlines, and following directions. Recommended for students who graduated in the bottom half of their class, scored below a composite of 18 on the ACT, those on academic probation, or who have been out of school for more than three years. Offered on demand.

**UNIV 155 - Academic Success in the University Environment (3)**

This course is required for EES Participants who are on Academic Warning, Probation or have been reinstated from Academic Suspension or Financial Aid Warning, Probation or Suspension. Students will engage in assessment related to part performance and create a Personal Action Plan. Enrollment is limited to Education Enhancement Services participants. S/U grading only. Fall, Spring.

**UNIV 200 - Portfolio Preparation (1)**

The purpose of this course is to aid students in portfolio preparation. Students will gain knowledge in preparing documents for portfolios that will be used for competency based credit-earning options. Different styles of preparation will be covered as well as expectations for completed portfolios. Final product will be a completed portfolio.

**UNIV 250 - BUS Proposal and Orientation (1)**

Students will plan and propose a course of study for their Bachelor of University Studies degree in accord with university guidelines. The goals and requirements of the Bachelor of University Studies degree will be covered, including the establishment of the parameters for the eventual capstone experience as a degree requirement. Students will begin the basic work of building a portfolio for their learning experiences across courses.

**UNIV 264 - Mentors-in-Residence Training (1)**

This course will provide a survey of best practices related to academic peer mentoring. Areas of focus include an overview of student helping and paraprofessional roles, the specific role of the mentor, interpersonal skills, study skills, learning theory, student development basics, mental health issues, diversity and cultural awareness, and ethical issues. Mentor candidates learn how to model effective student behaviors, foster campus connections between residence halls and the classroom, and help first-year and other students bridge the gap between their residential and academic lives. At the conclusion of the course, academic peer mentors will be hired for the fall on the basis of class performance and job availability. Letter grade will apply. It is important to note that taking this course does NOT guarantee students a Mentor-in-Residence position. Fall, Spring on demand.

**UNIV 282 - Peer Tutor Training (1)**

The course is designed to help students learn how to be effective Peer Tutors. Students will learn what the Peer Tutor model is and how to utilize educational learning strategies and theories. Fall and Spring.

**UNIV 283 - Supplemental Instruction Leader Training (1)**

This course is designed to help students learn how to be effective supplemental instruction (SI) leaders. Students will learn the SI model and how to utilize effective learning strategies, as well as how to assist both students and faculty in learning through the SI model. Fall, Spring.

**UNIV 284 - Peer Advisor/Learning Assistant Training (1)**

The course is designed to help students learn how to be effective Peer Advisors/Learning Assistants. Students will learn what the peer advising model is and how to utilize educational learning strategies and theories that have been the mainstays of Peer Advising Learning theory. Repeatable credit. Maximum six credits may be applied to graduation.

**UNIV 285 - SOAR Leader Training (1)**

The course is designed to help students learn how to be effective SOAR Leaders. Students will learn what the orientation model is and how to utilize educational learning strategies and theories that have been the mainstays of new student orientation programming. Emphasis will be on planning the SOAR session. Repeatable credit. Maximum six credits may be applied to graduation.

**UNIV 286 - Freshman Seminar Mentor Training (1)**

The course is designed to help students learn how to be effective Freshman Seminar Mentors. Students will learn what the Freshman Seminar model is and how to utilize educational learning strategies and theories that have been the mainstays of Freshman Seminar. Emphasis will be on assisting the Freshman Seminar instructor. Repeatable credit. Maximum six credits may be applied to graduation.

**UNIV 287 - Writing Center Assistant Training (1)**

This course is designed to help students learn how to be effective Writing Center assistants and writing-specific tutors. Emphasis will be on serving students who need assistance with writing skills, and the course will be directed specifically toward strategies to teach writing. Fall and Spring.

**UNIV 288 - Resident Assistant (RA) Training (1)**

Students who are interested in becoming Resident Assistants (RAs) are required to enroll in this class, which teaches them how to be effective resident assistants. Emphasis is on student development theory as it applies to the residential setting, as well as program planning and assessment. It is important to note that taking this class does NOT guarantee students a position as an RA. This course will bring a focus to a student's leadership qualities and goals, as it pertains to the RA position and beyond. Spring.

**UNIV 291 - University Studies Seminar (1-6)**

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**UNIV 292 - Experimental Course (1-4)**

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**UNIV 300 - Degree Completion Seminar (1)**

This course is required for all incoming transfer students with 24 credit hours or more who have not completed an equivalent course at another institution. This course must be taken during the first semester at Dickinson State University. The purpose of this course is to help the student understand DSU policies and expectations, be successful their first semester at DSU, and create the best path for completing their degree at DSU. Fall, Spring.

**UNIV 491 - University Studies Seminar (1-6)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**UNIV 492 - Experimental Course (1-4)**

A unique class, designed by the instructor and/or department, not currently listed in the University catalog. An experimental course may be offered for a maximum of two semesters. After that time, the course must be either assigned an appropriate, permanent course number and formally listed in the University catalog, or its usage must be discontinued.

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**UNIV 497 - University Studies Internship, Externship, Cooperative Education (1-6)**

Student will be placed in an off-campus company or agency which will provide the student with specific activities which will demonstrate the correlation between academic study and an actual work experience. The number of credits will be determined by the length of the internship and the hours worked. S/U grading only.

**UNIV 499 - Special Topics, Readings (1-6)**

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**VETS - VETERINARY****VETS 339 - Animal Health (3)**

Principles of animal health; prevention, sanitation, chemotherapy, immunology, disease symptoms, and management. Prerequisite: ANSC 114 - Introduction to Animal Science. Spring.

**WELD****WELD 151 - Welding Principles and Applications I (2)**

Course introduces welding tools and equipment and the basic processes of shielded metal (SMAW), gas metal (GMAW), gas tungsten (GTAW), and flux cored (FCAW) arc welding and oxy-fuel (OFC) and plasma arc (PAC) cutting. Emphasis given to safety procedures such as the use of personal protection equipment (PPE) and safe welding practices in the welding shop. Welding and cutting equipment, selection of welding supplies and materials used in industry will be introduced. Fall.

**WELD 153 - Mathematics for Welders and Welding Symbols I (2)**

A review of whole numbers, fractions and decimals using U.S. measurements. The application of ratio and proportion, direct measure, perimeter, area and volume with a construction emphasis. Also, a basic course for students to learn basic welding symbols. Students will also learn how to measure materials using a variety of instruments. Fall.

**WELD 154 - Mathematics for Welding and Print Reading (2)**

A basic algebra course for students enrolled in technology programs. Topics include properties of real numbers, algebraic expressions, solving equations, polynomials, factoring, formula manipulations, fundamentals of trigonometry and problem-solving. Also, a basic course in shop sketching and blue print reading. Prerequisite: WELD 153 - Mathematics for Welders and Welding Symbols I. Fall.

**WELD 161 - Welding I (4)**

Laboratory course gives beginning instructions in laboratory safety, use of personal protection equipment (PPE), with a strong emphasis on the safe handling of welding and cutting equipment. Basic hands-on instruction in shielded metal (SMAW) and gas metal (GMAW) arc welding and oxy-fuel cutting (OFC) techniques in flat and horizontal positions on various thicknesses of metal. Also covered are welding supplies and equipment maintenance. This class may also require planned industry field trips that include industry tours outside of the classroom. Co-requisite: WELD 151 - Welding Principles and Applications I. Fall.

**WELD 162 - Welding II (4)**

Laboratory instruction will consist of hands-on welding on plate steel in flat and horizontal positions using gas tungsten (GTAW), and flux cored (FCAW) arc welding. The cutting processes of carbon arc cutting-air (CAC-A) and plasma arc cutting (PAC) will be practiced. Students will weld plates in accordance to the American Welding Society (AWS) certification guidelines. This course may also require planned industry field trips that include industry tours outside of the classroom. Prerequisite: WELD 161 - Welding I. Co-requisite: WELD 151 - Welding Principles and Applications I. Fall.



**WELD 251 - Welding Principles and Applications II (2)**

A more thorough discussion of the principles used in shielded metal (SMAW), gas metal (GMAW), gas tungsten (GTAW), and flux cored (FCAW) arc welding. Students will also be introduced to the processes and procedures used in welding inspection and testing. Spring.

**WELD 253 - Basic Metallurgy (3)**

Course will study the basic fundamentals of metallurgy including the behavior of metals and how they relate to the field of welding. Topics include identification, classification and properties of ferrous and nonferrous metals, alloys, heat treatment, destructive and non-destructive tests, cast iron and plastics. Spring.

**WELD 254 - Introduction to Computer-Aided Drafting (3)**

This course is an introduction to the operation and application of computer aided drafting (CAD) utilizing computer software. Drawing and editing commands are studied and utilized in a final project. Spring.

**WELD 261 - Welding III (4)**

Instruction will consist of continual perfecting skilled welding on plate steel in a vertical position using shielded metal (SMAW), gas metal (GMAW), gas tungsten (GTAW), and flux cored (FCAW) arc welding. The cutting processes of Carbon Arc Cutting-Air (CAC-A) and Plasma Arc Cutting (PAC) will be perfected. Students will practice and weld plates in accordance to the American Welding Society (AWS) certification guidelines. The student will also learn about qualifications and certifications from various national welding codes and standards including an unlimited thickness qualification. Students will also be provided the opportunity to weld cast iron. This course will also provide the student with the technical understanding of calculating material and use of proper procedures for the completion of heavy plate weldments. Prerequisite: WELD 162 - Welding II. Co-requisite: WELD 251 - Welding Principles and Applications II. Spring.

**WELD 262 - Welding IV (4)**

Instruction will consist of continual perfecting skilled welding on plate steel in an overhead position using shielded metal (SMAW), gas metal (GMAW), gas tungsten (GTAW), and flux cored (FCAW) arc welding. Students will practice and weld plates in accordance to the American Welding Society (AWS) certification guidelines. This course will provide the student with a technical understanding of tacking and welding techniques for completing projects to reflect industry standards. This course will provide the student with a technical understanding of calculating material and use of proper procedures for the completion of projects manufactured in the lab. Prerequisite: WELD 261 - Welding III. Co-requisite: WELD 251 - Welding Principles and Applications II. Spring.

**WELD 361 - Pipe Welding (4)**

Instruction will consist solely on welding pipe in all positions using shielded metal (SMAW) and gas metal (GMAW) arc welding. Lecture will place special emphasis on mathematics of pipe welding, types of energy sources used in field welding and cutting and fitting pipe to industry requirements. Laboratory instruction will focus on pipe welding, field welding techniques and additional safety precautions for field welding. Prerequisite: WELD 262 - Welding IV. Summer.

## DIRECTORY

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### FACULTY

*Initial year of employment indicated in parentheses*

**Aus, Joan;** Chair, School of Education, Associate Professor of Education, Director of Graduate Studies (2020) Black Hills State University, B.S.; South Dakota State University M.Ed.; University of North Dakota Ed.D.

**Barnhart, Paul;** Assistant Professor of Biology (2014) North Dakota State University, B.S., Ph.D.

**Berg, Myron J.;** Assistant Professor of Mathematics and Computer Science (1995) Mayville State University, B.S.; Bemidji State University, M.S.

**Berger, Erin;** Assistant Professor of Nursing (2018) Dickinson State University B.S.

**Biesiot, Patience;** Assistant Professor of Nursing (2020) New Mexico State University, B.S.; University of Arizona M.S.

**Braunagel, Jeri;** Instructor of Education (2019) Dickinson State University, B.S.; Minot State University, M.A.T.

**Bren, Teresa R.;** Assistant Professor of Nursing (2013) Dickinson State University, B.S.N.; University of Mary, M.S.N.

**Brevik, Corinne E.;** Professor of Physics (2004) Montana State University, B.S.; University of Colorado, M.S., Ph.D.

**Butz, Rolf;** Assistant Professor of Business (1997) University of North Dakota, M.B.A.

**Chen, Jundong;** Assistant Professor of Computer Science (2014) Qingdao University of Science and Technology, B.S., M.S.; Louisiana Tech University, Ph.D.

**Corbin, Lisa;** Assistant Professor of Accounting (2011) University of Mary, B.S., M.B.A.

**Corrigan, Sean;** Assistant Professor of Education (2021) Colorado College, B.A.; Loyola Marymount University M.A.; Oklahoma State University, M.S.; University of Wisconsin, Ph.D.

**Daniel, Tim;** Assistant Professor of Health and Physical Education (1997) Northwest College, A.S.; Dickinson State University, B.S.; Central Oklahoma University, M.Ed.

**Doherty, Steven J.;** Chair, Department of Social Sciences; Professor of Political Science (2004) University of Wisconsin-Superior, B.S.; Iowa State University, M.A.; Loyola University Chicago, Ph.D.

**Dragseth, Debora M.;** Vice President of Academic Affairs/Provost, Professor of Business Administration (1989) Dakota State University, B.S.; University of South Dakota, M.B.A.; University of Nebraska, Ph.D.

**Egli, Shawna M.;** Instructor of Mathematics (2009) Dickinson State University, B.S.; Minot State University, M.A.

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