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# 2018-2019 CATALOG

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To access the catalog, click on the links at left or links below

[2018-2019 pdf](#)

[Front Cover pdf](#)

[Back Cover pdf](#)

If you have questions about the catalog, please contact:

Kathy Meyer  
(701) 483-2535  
[kathleen.meyer@dickinsonstate.edu](mailto:kathleen.meyer@dickinsonstate.edu)

## **Past catalogs:**

[2017-2018 Catalog](#)

[2016-2017 Catalog](#)

[2014-2016 Catalog](#)

[2012-2014 Catalog](#)

[2010-2012 Catalog](#)

[2008-2010 Catalog](#)

[2006-2008 Catalog](#)

## PRESIDENTS MESSAGE

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Dickinson State University resides at a unique and positive juncture, poised to make major inroads to becoming a premier university for western North Dakota. Changing student demographics coupled with changing business and energy models in the state bode well for positive growth and a gain in reputation at both a regional and national level.

The importance of teamwork and community cannot be overstated. Together – Dickinson State University, the city of Dickinson, the NDUS system and the state of North Dakota – we can build this community stronger than at any time in its past.

We are a student-centered institution. Let me be clear that we are student-centered, not student driven. We must begin each conversation, project, and individual step along the multiple potential pathways with the question, “How does this decision enhance our students’ education?”

Without the full involvement and support of the faculty and staff, our goals are not achievable. We must move forward together with a singular voice. That process begins with the president and continues with each of the members of the president’s cabinet. We must endeavor to have as open a path of communication as feasible, and we must ensure that professional development and support are available to faculty and staff.

My goals for this year are as follows:

- **Develop:** Work with the DSU Heritage Foundation to build endowments that will aid students with their education, and allow faculty and staff to continue professional development.
- **Strengthen:** Increase and stabilize enrollment; Evaluate and improve cybersecurity and controls.
- **Unify:** Develop a strategic plan and offer professional development to the campus community; Strengthen open lines of communication, connections and partnerships between DSU and the Dickinson Community.

The success of DSU and the city of Dickinson are intertwined in a positive fashion. As we plan for the University’s future, we invite your input and guidance. Together, we will build a strong DSU and Dickinson community.

Best regards,

**Thomas Mitzel, Ph.D.**

**President  
Dickinson State University**

# ACADEMIC AFFAIRS CALENDAR

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## 2018-2019

Dickinson State University

Academic Calendar

2018-2019

### Fall Semester

Aug 20	Monday	Residual registration/Classes begin - 3:00 p.m. (m.t)
Aug 23	Thursday	Last day to add a first eight-week course/Last day to drop a first eight-week course w/o academic penalty ("W")
Aug 29	Wednesday	Last day to add a 16-week course/Last day to drop a 16-week course w/o academic penalty ("W")
Sept 3	Monday	Labor Day holiday
Sept 4	Tuesday	Last day to apply for fall 2018 graduation
Sept 17	Monday	Enrollment census date
Sept 26	Wednesday	Last day to drop a first eight-week course
Oct 8-12	Monday-Friday	Mid-term examinations
Oct 15	Monday	First day of second eight-week courses
Oct 19	Friday	Last day to add second eight-week course/Last day to drop second eight week course w/o academic penalty ("W")
Nov 5-8	Monday-Thursday	Pre-registration for returning students
Nov 9	Friday	Last day to drop a class 16-week course/withdraw for semester
Nov 12	Monday	Veterans day holiday
Nov 21	Wednesday	Thanksgiving recess begins after evening classes
Nov 22-23	Thursday-Friday	Thanksgiving holiday
Nov 26	Monday	Last day to drop a second eight-week course
Dec 7	Friday	Last day of regular classes
Dec 10-14	Monday-Friday	Final examinations
Dec 14	Friday	Semester ends/Commencement
Dec 19	Wednesday	Final grades due - 8:00 a.m. (m.t.)

**Spring Semester**

Jan 7	Monday	Residual registration/Classes begin - 3:00 p.m. (m.t.)
Jan 10	Thursday	Last day to add a first eight-week course/Last day to drop a first eight-week course w/o academic penalty ("W")
Jan 17	Thursday	Last day to add a 16-week course/Last day to drop a 16-week course w/o academic penalty ("W")
Jan 21	Monday	Martin Luther King Jr. holiday
Feb 1	Friday	Last day to apply for spring 2019/summer 2019 graduation
Feb 4	Monday	Enrollment census date
Feb 14	Thursday	Last day to drop a first eight-week course
Feb 18	Monday	Presidents Day holiday
Feb 25- Mar 1	Monday-Friday	Mid-term examinations
Mar 4	Monday	First day of second eight-week courses
Mar 8	Friday	Last day to add second eight-week course/Last day to drop second eight-week course w/o academic penalty ("W")
Mar 11-15	Monday-Friday	Spring break
Apr 1-4	Monday-Thursday	Pre-registration for returning students
Apr 5	Friday	Last day to drop a 16-week course/withdraw for semester
Apr 18	Thursday	Last day to drop a second eight-week course
Apr 19-22	Friday - Monday	Easter recess
May 3	Friday	Last day of regular classes
May 6-10	Monday-Friday	Final examinations
May 11	Saturday	Commencement
May 15	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 2018-2019 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.

### Equal Opportunity/Affirmative Action

Dickinson State University is fully committed to equal opportunity in employment decisions, educational programs, and activities in accordance with all applicable state and federal laws, including affirmative action efforts. In that regard, Dickinson State University does not discriminate on the basis of age, religion or creed, national origin, marital status, race or ethnicity, gender, disability, sexual orientation, or veteran's status in its admissions, employment practices, education programs, housing, food service, or other related activities.

Inquiries regarding the educational opportunities or equal employment policies of this institution should be directed to the Affirmative Action Officer, Dickinson State University, 291 Campus Drive, Dickinson, ND 58601-4896, e-mail: [dsu.affirmativeaction@dickinsonstate.edu](mailto:dsu.affirmativeaction@dickinsonstate.edu) or to the Office for Civil Rights, Chicago Office, U.S. Department of Education, Citigroup Center, 500 W. Madison Street, Suite 1475, Chicago, IL 60661-4544. Phone: (312) 730-1560. Email: [OCR.Chicago@ed.gov](mailto:OCR.Chicago@ed.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 our 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 27,000+. The University serves as a cultural, social, recreational and intellectual center for the residents of the West River region.

Dickinson, located directly along Interstate 94, 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. <http://www.dickinsonstate.edu/academics/dsu-online/dsu-state-authorization> 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 four-year 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 ability 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 the 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:

- The Higher Learning Commission, a Commission of the North Central Association of Colleges and Schools (NCA) 30 North LaSalle Street, Suite 2400 Chicago, Illinois 60602-2504
- Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, Georgia, 30326
- National Environmental Health Science and Protection Accreditation Council (EHAC) POB 66057, Burien, WA 98166
- National Council for the Accreditation of Teacher Education (NCATE)/Council for the Accreditation of Educator Preparation (CAEP) 2010 Massachusetts Avenue Northwest, Suite 500, Washington, DC 20036-1023
- 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 Council on Education, the American Association of State Colleges and Universities, the Council for Advancement and Support of Education, the Collaboration and the Council for Undergraduate Research and the Western Interstate Commission for Higher Education.

# ADMISSION REQUIREMENTS

## 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 15.

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:

- Name (all names on record)
- Address (all addresses on record)
- E-mail address (all electronic addresses on record)
- Phone Number (all phone numbers on record)
- 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
- 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)
- Photographic, video or electronic images of students taken and maintained by the institution

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 or 701-483-2175.

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 of 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

**Prior to enrolling in classes**, new students must provide documentation of immunity against measles, mumps and rubella. 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.

## FRESHMAN ADMISSION

Incoming freshman 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. Please note it may take two weeks from the date all materials are received to process an application. 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 a SAT combined math and critical reading score of 870 if taken before February 2016. If the SAT was taken after February 2016, students must provide a total score of 950. The SAT test format changed, nationally, in February 2016, which is why two different scores are provided. Test scores from the old or new version of the SAT will be accepted. 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, diploma, and associate degree programs are required to submit an official high school transcript as proof of high school graduation. 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.

Dickinson State University will accept the General Education Development (GED) certificate from applicants 19 or older. GED score requirements are distinguished by what date the GED test was administered. Score requirements are as follows:

- Testing Prior to 2002: an average of 45 and subject scores no lower than 40
- Testing 2002-2013: an average of 450 and subject scores no lower than 410
- Testing after 2013: an average score of 145

## 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 transferable college work completed at the time of application, the applicant is 25 years or older, or is applying to a certificate, diploma, 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.

Admission materials should be mailed directly to

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

## HOME EDUCATED APPLICANTS

To be considered for freshman admission, home educated students must submit the following:

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. Transcripts should include:
  - a. Proof of high school graduation
    - i. A high school diploma issued under NDCC section 15.1-23-17 (or equivalent documents from another state) OR
    - ii. A GED diploma with an overall score 450 and a minimum score of 410 on each individual subject exam for students testing from 2002-2013. Students testing after 2013 must present an overall average score of 145 or above. Dickinson State University will accept the General Education Development (GED) certificate from applicants 19 or older. For students testing prior to 2002, an average of 45 and subject scores no lower than 40 are required.
  - b. Detailed listing of courses completed
    - i. Specific listing of classes completed by the student; identified and/or separated by class levels. (A course syllabus or detailed description for the course content may be requested.)
    - ii. Clear identification of those courses which meet the North Dakota University System College Preparatory Requirements (CORE) including:
      1. 4 units of English
      2. 3 units of mathematics, Algebra I and above
      3. 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

4. 3 units of social science
- iii. A key explaining grading system and successful completion of coursework in each class in grades nine through twelve.
- iiiii. Date of student's graduation/completion of plan of study.
- iiiii. Signature of the parent/instructor.
- iiiii. Identification of any other private or public high school the student has attended.
- iiiii. Cumulative Grade Point Average (CGPA).
- iiiii. Cumulative grade point average calculated on a 4.0 scale.
4. Scores from the ACT or SAT (unless at least 24 credits of transferable college work completed at the time of application or the applicant is 25 years or older).
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.

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 Admission 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 at least 24 credits of transferable college work 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.

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. Pearson Test of English (PTE-A) score of 50 or higher; Pearson (CLEM, CREAM & others) English - 70.
  - d. Michigan English Assessment Battery (MELAB) score of 55 or higher.
  - e. ACT Composite score of 18 and English sub test 18.
  - f. Minimum SAT Writing and Language score of 25 and the minimum SAT Total score of 950.
  - g. United States General Education Development (GED) certificate administered in English.
  - h. Or any other acceptable demonstration of English proficiency approved by North Dakota University System Procedure 402.9.
  - i. Transfer from a regionally accredited U.S. college or university after 2 years of study, in good standing, OR completion of Composition I and II with a grade of at least a B.
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.

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 Undergraduate Education Admission Procedure

A Continuing Education student is one that has already earned a degree from Dickinson State University and wishes to pursue another degree with the institution. The admission application procedure in this instance requires the following:

1. The completed application for admission. The application is available online at [www.dickinsonstate.edu/admissions](http://www.dickinsonstate.edu/admissions).
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).

### 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.

## **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.

## **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 at [www.dickinsonstate.edu/admissions](http://www.dickinsonstate.edu/admissions).
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).

## 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/) click on FSA ID tab.

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, Federal Supplemental Education Opportunity Grant, and Federal Perkins Loan) 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 a 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)>Students >Paying for College > North Dakota Grants & Scholarships.

### 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 students have 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.

**Federal Perkins Loan** is a campus-based loan and may be awarded according to availability of revolving funds. It is a 5% interest loan with a \$5,500 per year limit (maximum \$27,500). If eligible for this loan at Dickinson State University, the minimum amount is \$400. Students need to complete Entrance Loan Counseling, and a Federal Perkins Loan Master Promissory Note. 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.

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. 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>Student Employee. 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: Talon Athletic Tuition Waivers, Cultural Diversity Tuition Waivers, Fine Arts Tuition Waivers, Spouse or Dependent Tuition Waivers, DSU Rodeo Awards, Institutional Waivers, Senior Citizen Waivers, Academic Achievement Waivers, Housing Waivers, along with Centennial Merit Scholarships, Heritage Merit Scholarships, Cornerstone Merit Scholarships, and Transfer Merit Scholarships.

### 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 are currently enrolled 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.

## Shopping Sheet

Beginning in fall 2013, Dickinson State University is one of 500 institutions of higher education that has voluntarily adopted the use of the financial aid shopping sheet.

The Shopping Sheet 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 Shopping Sheet 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/admissions/financial-aid/](http://dickinsonstate.edu/admissions/financial-aid/).

## 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, Perkins Loan, 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/admissions/financial-aid/](http://dickinsonstate.edu/admissions/financial-aid/).

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

## STUDENT AFFAIRS & ENROLLMENT MANAGEMENT

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The departments and programs that comprise the Division of Student Affairs & Enrollment Management provide resources and services to assist students in pursuing their academic goals at Dickinson State University. From Admission to Graduation, the Division of Student Affairs & Enrollment Management is here to assist students in finding individualized success. In collaboration with the mission of the University, the philosophical foundation of the division is one of student-centered leadership. Staff seek to create a community of care, fostered through collaborative and personal relationships. The staff within Student Affairs & Enrollment Management invite 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 contribute to the Division of Student Affairs & Enrollment Management, including: the Student Opportunity and Resource (SOAR) Center, Admissions, Campus Programming, Financial Aid, Housing & Dining, International Programs, Student Conduct, Student Senate, Student Health, Student Involvement & Leadership Development, TRiO Student Support Services, and Wellness. The services and resources provided by these functional units 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:** The division of Student Affairs & Enrollment Management maintains partnerships on and off campus specifically focused **on students**.

**Enhancing Student Learning:** The Division of Student Affairs & Enrollment Management 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 Center services and supports, the Dickinson State University TRiO Student Support Services Program which are described in the Student Handbook.

**Creating a Community of Care:** The Division of Student Affairs & Enrollment Management 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.

**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.

Students, as part of the DSU community, 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.

Additionally, students should be familiar with the policies, rights, and responsibilities as outlined in the 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, and Electronic Device Policy.

## STUDENT OPPORTUNITY AND RESOURCE CENTER

The Student Opportunity and Resource 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 Title IV TRiO Student Support Services funding, the Student Opportunity and Resource 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 4:30 p.m. Staff members can be contacted at 701-483-2999.

### Academic Advising

Academic Advising through the Student Opportunity and Resource Center provides support for first year students, undeclared 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.

## 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.

## English Language Learners (ELL)

The English Language Learners (ELL) Specialist leads the instructional, academic and institutional support for ELL, including non-native English speaking students and English speaking students enrolled in ELL related classes, workshops, seminars, etc. The ELL Program helps students develop the English skills to succeed in their courses of study as a student at Dickinson State University. The ELL Program also provides direct individual interventions aimed at specific learner needs.

## First Year Experience (FYE)

The Dickinson State University First Year Experience (FYE) Committee commenced work again, in the Fall of 2013, to improve the overall student experience and ensure alignment between Dickinson State University's 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.

## Peer Tutoring Center

The Tutoring Center at Dickinson State University offers academic support to enrolled students. The Tutoring Center promotes students' intellectual growth and self-confidence, regardless of initial skill or ability level. Certified by the College Reading and Learning Association, trained peer tutors offer individualized support for many DSU courses.

## Services to Faculty

The Student Opportunity and Resource Center provides positive and comprehensive academic support services for faculty through Student Referrals concerning peer mentoring or peer tutoring; in-class workshops on note-taking, testing strategies, study skills and anti-plagiarism; and Supplemental Instruction using peer-assisted study sessions.

## Testing Center

The DSU Testing Center supports the mission of Dickinson State University by providing high quality testing assessment services for students, faculty, and staff. In addition, the DSU Testing Center strives to reach out to the community by providing a secure, professional and

proctored testing environment by adhering to the NCTA Professional Standards and Guidelines to meet individual, University and community needs for admission, English/Math placement, credit-by-examination, certification, licensure, and assessments of local high school students as well as freshmen, juniors and graduating seniors.

## TRiO Student Support Services (SSS)

TRiO Student Support Services is a federally funded Title IV college assistance program. The Dickinson State University TRiO SSS works to assist first generation students, low income students and students with disabilities through academic assistance and planning, professional development workshops, social interaction opportunities, and much more, at no expense to participants. Dickinson State University TRiO SSS program entrance is limited to 185 students and is very competitive. Students eligible to participate must be U.S. citizens or meet the residence requirement for federal student financial aid. Students must also be enrolled at DSU, be first generation (neither parent has a bachelor's degree from an accredited university), low income (as set by federal guidelines) or have a documented physical, learning or mental disability and demonstrate areas of academic need. TRiO SSS is located in May Hall, 2nd floor, suite 209.

## BUSINESS AFFAIRS

### TUITION AND FEES

Tuition and fees will be collected through the Office of Business Affairs, May Hall, Room 109, 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 the Campus Connection link on the Dickinson State University homepage. 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

(Full time student taking 12 credit hours per semester)

Resident Tuition	\$2,779
South Dakota, Montana, Saskatchewan, and Manitoba Non-Resident Fees	\$3,474
Minnesota Non-Resident Fees	\$3,112
Non-Resident (WUE and MHEC)	\$4,168
International	\$4,585

#### Other Mandatory Fees

(Full time student taking 12 credit hours per semester)

Student Fee	\$466.32
Technology Fee	\$72.00
Connect ND Fee	\$66.00
NDSA Fee	\$.48

*\*\* Dickinson State University caps the billing of traditional classroom courses 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	\$311.27
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#### Online, Distance Education, Direct Study and Internship Courses (per credit hour)

Distance Education Tuition**	\$231.57
Student Fee	\$38.87
Access Fee**	\$49.03
Technology Fee	\$6.00
Connect ND Fee	\$5.50
NDSA Fee	\$.04

*\*\*The tuition and access fee are not subject to the 12 credit hour cap. An access fee will be charged for the following category of courses: Directed Study, Independent Study, Internship, and Online courses. This fee will be paid above and beyond that flat tuition rate for 12 semester hours and may result in an increase in the total tuition billed to the student.*

The only exception made for non-payment of this special access fee would be if the course to be offered as Directed Study, Independent Study, Internship, or in an Online format is specifically mandated for graduation within a major, and has not been offered in the regular schedule within the previous two years, i.e., internships required for business majors and offered on a regular basis will not be charged an access fee. Exceptions for payment of the access fee for these courses will be very limited with each exception being granted on a case-by-case basis.

#### 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	\$111.33
Course Challenge Fee, 50% of regular tuition, per semester hour (non-refundable) Resident	\$111.33
Parking Fee, per academic year	\$40.00
Recording Fee, per semester hour	\$111.33
Fall Semester International Health Insurance	\$661.00
Spring semester International Health Insurance	\$2,496.00
Returned Check Fee	\$35.00

**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

The student who registers at Dickinson State University and decides to withdraw must contact the Office of Student Affairs to complete the withdrawal form. A student who registers and does not attend will be responsible for all tuition and fees if he/she does not submit 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.

For those students who choose to drop a course or courses and remain in school with fewer than 12 hours will receive refunds based on the following percentages:

0 – 8.99%	100%
Thereafter	0%

Although a refund will not be granted after the seventh calendar day for course changes, the student may add the same number of hours within the same session at no charge.

## 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 the One Stop Shop, May Hall, Room 107.

Student parking permits may be purchased at the Office of Business Affairs. A parking fee of \$40 is paid at the beginning of the fall semester. Refunds are prorated on a semester basis. To obtain a refund, the individual must present the current permit to the Office of Business Affairs. 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. Pulver Hall west parking lot: Not to be used by students or employees.
5. 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.
6. Vehicles may be towed at owner's expense for purposes of snow removal if parked in an area not designed for overnight parking.

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 the Security Office within three school days of their receipt.

Unpaid violations will result in the University's placing a hold on transcripts until such times as 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:

1. Demonstrate knowledge of human cultures, the humanities, the social sciences, the fine and performing arts, and the physical and natural worlds.
2. Demonstrate the intellectual skills of inquiry, mathematical reasoning, quantitative and qualitative analysis, critical and creative thinking, and problem solving.
3. Demonstrate written, oral, and visual communication skills, information literacy, and technological skills.
4. Demonstrate knowledge of personal and community health and wellness.
5. Demonstrate responsible ethical reasoning and social and intercultural engagement.
6. Demonstrate advanced accomplishment in discipline-specific performance.
7. 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 6 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 6 additional credit hours of coursework, the students' department must document writing practices required for degree completion.
- A minimum of 9 credit hours of writing intensive coursework, 3 hours of which must be a WID course designated for the students' major; in lieu of a 3 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 6 credit hours of WID courses, 3 hours of which must be writing intensive.
- A minimum of 6 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 9 hours of designated writing courses with either 3 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 3 credit hours of WID courses.

- A minimum of 6 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 3 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 3 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 Requirements in Agriculture

Agriculture majors earning a BS degree must complete a minimum of 6 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 3 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 Agriculture 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 6 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 6 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&amp;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 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. 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 9 credit hours must be writing intensive courses as indicated with an asterisk.)

ACCT 201 Elements of Accounting II (3)

ACCT 315 Business Law I (3)

BADM 336 Management and Leadership (3)

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

BADM 455 International Business (3)

\*BADM 485 Business Policy (3)

\*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 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. Art majors must complete an additional 12 hours of WAC/WID credit from the courses listed below, including at least 3 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 312 Contemporary Art History (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 312 Interpersonal Communication (3)

COMM 313 Persuasion (3)

COMM 411 Professional Practices and Portfolio (3)

COMM 497 Communication Internship, Externship, Cooperative Education (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 Music**

Music 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. Music majors must complete an additional 12 hours of WAC/WID courses, including at least 3 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 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. Theatre majors must complete an additional 12 hours of WAC/WID credit from the courses listed below, including at least 3 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 6 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 6 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:

ELED 390P Teaching Physical Education and Health in the Elementary School (2)

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

HPER 430 Measurement & Evaluation (2)

HPER 432 Physiology of Exercise (3)

SEED 390P Methods of Teaching Secondary Physical Education (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 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. 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, 9 hours of which must consist of any of the following combination of writing intensive courses with 6 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 Spanish

Spanish 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. Spanish majors must complete an additional 12 hours of WAC/WID courses from the list below, all of which are writing intensive:

SPAN 321 Advanced Spanish (3)

SPAN 350 Hispanic Civilization and Culture (2)

SPAN 425 Hispanic Literature (3)

SPAN 440 Senior Conversation and Composition (3)

SPAN 480 Senior Project (1)

SPAN 499 Special Topics (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 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 6 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 3 credits must be writing intensive, and 6 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 6 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, 6 credits of which must be upper-level and 3 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 6 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, 6 credits of which must be upper-level and 3 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 6 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 4 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 Health 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)

BIOL 306 Radiation Health (2)

\*BIOL 325 Environmental Health Techniques (4)

BIOL 345 Parasitology (4)

BIOL 350 Solid and Hazardous Wastes (3)

\*BIOL 355 Environmental Toxicology (3)

BIOL 360 Water and Wastewater (3)

BIOL 450 Epidemiology (3)

\*BIOL 491A Environmental Health Seminar (2)

\*SCNC 389 Scientific Writings and Readings (2)

### **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 6 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 6 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 6 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 335 Biological Psychology (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 6 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 12 hours of WAC/WID courses consisting of the following writing-intensive courses:

EDUC 300 Teaching for Diversity (3)

EDUC 405 Educational Psychology and Evaluation (3)

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 (3)

EDUC 405 Educational Psychology and Evaluation (3)

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 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. 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 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 .5 to one hour of guided instruction and at least three hours 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. This is consistent with the National Association of Schools of Music Standard III.A.2.c.
- 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.
- 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 any specific internship experience. **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 <http://www.ndus.edu/uploads/resources/2600/2015.10.20-credit-by-exam.pdf> 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 Registration and Records or the DSU Testing Center, part of the Academic Success Center. 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 Testing Center, part of the Academic Success Center. Upon successful completion of the exam, students may pay a

recording fee to have CSCI put on their transcript. Alternatively, they may request a waiver of the requirement. Students must still complete the minimum number of credits in the general education (by adding a general education elective) and the minimum number of credits required for graduation. Unsuccessful attempts at the exam will not be recorded.

- **Military Credit:** Credit may be awarded for military training which can be directly related to a specific course and its assigned credit value or to a major or minor program in which the student is enrolled. Students must have matriculated to DSU and be in good standing before they can apply. Credit is granted based on the recommendations of the American Council on Education's webpage: "Guide to Evaluation of Educational Experiences in the Armed Services" (DSU uses the American Council on Education's recommendations only for the evaluation of Military Credit) and the recommendation of the appropriate department chair or program manager. The latter recommendations are facilitated with the Request for Military Training Credit Award Form. **Up to 10 credits of "free elective credit" may be awarded for armed service training without direct relation to any specific course or program in which the student is enrolled.**
- **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 Enrollment Services or 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 Academic Success 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).

- iii. Determine the recommended beginning point in the German course sequence (101, 102, 201, 202) by consulting with the DSU German faculty member. Alternatively, determine the recommended beginning point in the Spanish course sequence (101, 102, 201, 202, 321) by arranging with the DSU Testing Center, part of the Academic Success Center, to take a placement exam. Also, consult with the DSU Spanish faculty. Students who complete the recommended course with a B or better may pay a recording fee to transcript some or all of the bypassed credit. Alternatively, those students may request a waiver. If so, the minimum number of credits in relevant programs and the minimum credits required for graduation must still be completed. Students who earn less than a B in the recommended course must either repeat the course or begin an earlier sequence.
- **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 the Request of 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:** Catalog number 299/499 credit with the appropriate prefix may be awarded for educational workshops and/or training that has a direct correlation between the training and the learning outcomes of a particular program. Students must have matriculated to DSU and be in good standing to apply. Credit is awarded through enrollment in the UNIV 200 course and use of the Request for Non-College Coursework Evaluation Form. A per credit recording fee will be charged.

### Delivery Options

- **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.
- **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,
- **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.

fixed credit or variable credit, the appropriate guidelines above apply.

**Directed Study, Independent Study, Synchronous Distance and Online Fees:** Additional fees will be charged for the following category of courses: Directed Study, Independent Study, Synchronous Distance, and Online. This includes an access fee and the per credit tuition above and beyond the flat tuition rate for twelve (12) semester hours and may result in a significant increase in the total tuition billed to the student. Exceptions will be made if the course is a capstone, an undergraduate research project, or an internship. Exceptions will also be made if the course is specifically mandated for graduation within a major and has not been accessible to the student within the previous two years either because it was not offered or because it was in conflict with another mandated course. All students need to check with their faculty advisor or the Director of Academic Records before enrolling in any of these courses.

## 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  
 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.

## 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 Arts Degrees

The Bachelor of Arts degree provides a strong liberal arts curricular foundation designed to encourage knowledge of human cultures, to promote proficiency in writing and speaking, and to provide concentrated study in a major and a minor area.

**Major and Minor** – The student's major and minor areas must ordinarily be part of the Bachelor of Arts curriculum, but some departments allow the selection of a cognate or an interdisciplinary area in lieu of a minor. A minor is also required for graduation unless the major consists of 56 or more credit hours.

Bachelor of Arts graduates must complete a minimum of 8 credit hours of foreign language study. The eight credit hours can be in one language or in multiple languages. American Sign Language credits may also be used to meet this requirement. However, Bachelor of Arts degrees granted through the Department of Language and Literature require 16 hours of a foreign language. The Bachelor of Arts in Spanish is an exception to this requirement.

## 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
- International Business

## 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:

Art Education  
 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.

### Associate in Science

- Agricultural Sales and Service

### Associate in Applied Science

- Office Administration
- Practical Nursing

## CERTIFICATE PROGRAMS

Certificate programs are designed for immediate application to a work environment.

- Accounting Technician
- Business Fundamentals
- Computer Programming
- Farm and Ranch Management
- Graphic Design
- Horse Production
- Human Resource Management
- Marketing
- Physical Science
- Web Management

## CERTIFICATE OF COMPLETION PROGRAMS

Dickinson State University offers the following Certificate of Completion Programs in which 15 semester hours of credit and a minimum cumulative GPA of 2.00 are required.

- CPA Preparation
- Entrepreneurship

## 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, seven 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 8-9 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.** 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 5-week session beginning the day after Memorial Day. 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

Students are expected to attend scheduled classes and labs as published in the official class schedule. Deviation from this general policy must be approved by the instructor and the college dean. Student excuses fall in the following categories:

1. If the student is ill, it is his/her responsibility to contact instructors regarding absence. Student Health will not give excuses for missing classes.
2. Academically related (field trips) and institutionally sponsored activities (athletics, tours, etc.) will be excused. The advisor or coach will prepare an excuse sheet and the students involved must present this sheet to their instructors prior to the activity (if possible).

All other absences must be cleared with each instructor. It is the instructor's decision to determine if the absence is excused or unexcused.

Students have the responsibility of personally contacting their instructors concerning their missing work for any absence from class.

## 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.

**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.

## ACCESS FEE

An access fee will be charged for the following category of courses: Directed Study, Independent Study, Distance Education courses. This fee will be paid above and beyond the flat tuition rate for 12 semester hours and may result in a significant increase in the total tuition billed to the student.

The only exception made for non-payment of this access fee would be if the course to be offered as Directed Study, Independent Study, or in a Distance Education format is specifically mandated for graduation within a major, and has not been offered in the regular schedule within the previous two years. Exceptions for payment of the access fee for these courses will be very limited with each exception being granted on a case-by-case basis.

## 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%

## 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 at which time Office of Academic Records staff will enroll the student.

## 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 for 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 e-mail 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.

- 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.
- 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

- Students who wish to audit courses at Dickinson State University may do so with the permission of the class instructor.
- A student may not request such permission until after the pre-registration period as currently enrolled students have priority.
- Auditor will participate in class activities as determined by the instructor.
- 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.
- Student will pay 50% of tuition plus all applicable fees.
- All institutional course drop/withdrawal deadlines apply to audit courses.
- Student may not change the grading basis of the class after the last day to add a class

### Enrollment Procedure:

- 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.
- 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:

- The initial grade and the new grade for repeated courses will appear on the student's official and unofficial transcript.
- The grade earned during the last enrollment will be used in calculating grade point averages and degree requirements, even if that grade is lower.
- The initial grade will continue to be calculated in grade point average and in degree requirements, if the repeated course is dropped or withdrawn.
- 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.
- The repeat policy is applicable to transfer credit if the transfer course is deemed equivalent to a Dickinson State University course.
- Courses that Dickinson State University has inactivated or discontinued may not be repeated.
- Repeats are not calculated on pre-college courses.
- 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).
- 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.
- 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, Perkins Loans, 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 freely 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 freely 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 following each course title. This notation will be detailed on the academic transcript beginning on the 10th calendar day (Fall Semester) or the 11th calendar day (Spring Semester).

## 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 Medical Withdrawal/Family Emergency Form* is available on the DSU website and requires additional documentation. *Application for Medical Withdrawal/Family Emergency 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, Residential Life, 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 term erasure 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.

## ERASING TERMS FOR GPA PURPOSES

For the purpose of raising his/her Dickinson State University cumulative GPA, a student may request permission to erase any term of his/her previous academic work (only one Dickinson State University term may be erased) if the student meets the following criteria: **(NOTE: Terms from institutions other than Dickinson State University may not be erased.)**

1. The individual must be currently enrolled as a student at Dickinson State University at the time the request is made.
2. Specific academic requirements must be met prior to the granting of a term erasure. The student must have completed a minimum of 12 semester hours of Dickinson State University academic credit (either one term as a full-time student or in consecutive terms as a part-time student) and have a minimum GPA of 2.5 for the term (or consecutive terms) immediately prior to the request.
3. Term erasure is limited to 5 years prior to current enrollment.

A term erasure request will be granted only once, and all academic work would continue to be shown on the student's transcript; however, the entire term would be removed for GPA purposes. **NOTE: A partial term erasure is not permissible and no term erasure can be awarded after a degree has been granted.**

None of the credits of the erased term could be used for graduation purposes. Once a term has been erased, it can never be reinstated on the student's academic record at a later date.

**NOTE: The word *Erase* with respect to this policy does not mean that the coursework and grades for any semester disappear from the transcript. All**

**coursework and grades will continue to be visible. However, the grades will not be factored into the student's cumulative GPA.**

Students granted permission to erase a term will have a statement printed on his/her transcript indicating the term erasure. Students receiving veterans benefits are cautioned that if they choose to erase an academic term that contained a course that they passed (D or above) and if they received veterans benefits for that term, the erasure could result in a partial loss of future financial benefits.

**NOTE: Students who are pursuing a teaching degree (elementary or secondary) are not allowed to exercise the "term-erasure" option due to the need to use grades for all courses for teaching licensure.**

For further information, contact the Office of Academic Records.

## 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 Academic Records forms webpage.

## 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.2., 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.2.D the following procedure.

1. Students can register a complaint regarding language proficiency (the inability to understand the English used to communicate by the instructor) with the Chairperson of the Department in which the instructor teaches. Complaints can be verbally discussed with the Chair in an informal manner, but must be in writing for formal action to be taken.
2. The Department Chair in consultation with the College Dean will recommend whatever action (i.e., a communication development program) is deemed necessary to address the complaint.
3. The College Dean will implement the recommended action.
4. If the plan of action does not produce the desired result and the complaint is not alleviated within a reasonable period of time, an additional appeal may be made by the student to the Vice President for Academic Affairs/Provost for further action to be taken.

Students may discuss their complaint regarding communication proficiency with the Vice President for Student Affairs & Enrollment Management 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.

- Graduate level courses by definition of the transferring institution legend.
  - Continuing education courses
  - Institution-based credit by standardized exams.
  - Credit granted for prior learning assessment, armed service credit or evaluated non-college coursework credit.
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 Handbook 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. A written report of the incident will be placed in the student's permanent file in the Office of Academic Records and destroyed upon graduation.

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 semester hours.

**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 (OLD) Critical Reading + Math	SAT (NEW) MATH (after March 5, 2016)	ACCUPLACER Elementary Algebra /College Level Math	ACT COMPASS (no longer available)	ASPIRE Math	ALEKS Math PPL	EdReady (NROC) Math	Pearson (CLEM, CREAM) Math	PLAN Math	Smarter Balanced Grade 11-12 Math	MAA MapleSoft (Algebra)	Suggested Placement
0-15	200-760	240-420	0~40	0~33 <b>Pre- Algebra</b>								ASC 091
16-18	770-890	430-500	41~56	34~56 <b>Pre- Algebra</b>								ASC 092
19-20	900-980	510-520	57~75	57 or above <b>Pre- Algebra</b>								ASC 093
21-22 or higher	990-1040 or higher	530	76 or higher <b>Elementary Algebra</b> OR 50 <b>College Level Math Exam</b>	49 or above <b>Algebra</b>	431 or above	46	75	70%	19 or above	3	12	MATH 103, MATH 104, MATH 110, or MATH 127
23-24	1050- 1120	540-570	76 or higher AND 65~70 <b>College Level Math Exam</b>	55~56 <b>Algebra</b> And 56~62 <b>College Algebra</b>								MATH 105 or MATH 146
25-26	1130- 1200	580-620	76 or higher AND 70~89 <b>College Level Math Exam</b>	68~82 <b>Algebra</b> And 63~71 <b>College Algebra</b>	440 or higher							MATH 107
27 and above	1210 and up	630 or higher	76 or higher AND 90 or higher <b>College Level Math Exam</b>	83 or above <b>Algebra</b>  72 or above <b>College Algebra</b>								MATH 165

### English Composition Placement

ACT English	SAT (OLD) Writing	SAT (NEW) Evidence- Based Reading and Writing (after March 5, 2016)	ACCUPLACER Writeplacer	ACT COMPASS (no longer be available)	ASPIRE English	EdReady (NROC) English	Pearson (CLEM, CREAM) English	PLAN English	Smarter Balanced Grade 11/12 English ELA	Suggested Placement
0~13	0~359	400	0~3							ASC 087 (Fall only)
14-17	360~429	410-470	4							ASC 088 & ENGL 110
18 and above	430 and above	480	5~8	Writing skills 77 or above	426	TBD	70%	15	3	ENGL 110

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 scoring below 21 on the ACT Mathematics sub-test have the option of taking 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 Testing Center, Academic Success Center or by calling 701.483.2964.

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. Students scoring between 14-17 on the ACT English sub-test have the option of taking the ACCUPLACER "Writeplacer" Placement test for consideration of placement in ENGL 110/ASC 088 if they choose. Test arrangements can be made through the Dickinson State University Testing Center, Stoxen Library Lower Level, or by calling the Academic Success Center at 701.483.2964.

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 the Test of English as a Foreign Language (TOEFL), or demonstrate proficiency in the use of the English Language. English proficiency may be demonstrated by: (IBT) TOEFL must equal 71 or higher (School code – 6477), IELTS must equal 6.0 or higher; Pearson Test of English (PTE-A) score of 50 or higher, Pearson (CLEM, CREAM & others) English - 70, SAT Writing subtest 430 (taken prior to February 2016), or SAT Evidence-Based Reading and Writing 480 (taken after February 2016).

The following countries are TOEFL exempt: American Samoa, Australia, Bahamas, Barbados, Belize, Canada, Dominica, Granada, Grand Cayman, Guyana, Jamaica, Ireland, New Zealand, Liberia, Trinidad and Tobago, United Kingdom, the Virgin Islands and all U.S. Trust Territories.

## 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

Students can repeat placement tests twice within a 7 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. Because of the proctoring policy changes, the fees may be increased.

## 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. To register for a CLEP Examination, contact the Academic Success Center. 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 for the matrix of acceptable CLEP tests, please contact the Academic Success Center, Stoxen Library Lower Level or 701.483.2964.

Students taking Advanced Placement tests for approved Dickinson State University courses must achieve a score of three or more in order to receive college credit and must provide official documentation.

## 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.

Graduating students will be released from class for graduation practice, etc. Instructors will make appropriate arrangements with senior students to complete the final examination prior to 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.

### 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 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 8 credit hours of foreign language study. The eight credit hours can be in one language or in multiple languages. ASL credits may also be used to meet this requirement. However, all Bachelor of Arts degrees granted through the Department of Language and Literature require 16 hours of foreign language. The BA in Spanish is an exception to this requirement.
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 earned (grades are posted) a minimum of 90 semester hours of academic 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.
11. Degrees will not be posted until graduation requirements are met.

#### *Bachelor of University Studies*

##### 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 student 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 Academic Success 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 semester hours of General Education courses (same as General Education course requirements as required for a baccalaureate degree).
5. 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. 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 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. Participation in assessment activities as outlined by the student's major program(s) is required for graduation.

***Certificate Program***

1. The student must complete all General Education classes and specific major classes that are required for the certificate program (number of credits may vary).
2. A minimum of 9 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.

***Certificate of Completion***

Dickinson State University offers Certificate of Completion Programs in which 8 semester hours of credit and a minimum cumulative GPA of 2.00 are required.

## 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 8 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.)

## 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.

In special cases, with the approval of the Provost/Vice President for Academic Affairs, a student may earn an Associate in Science degree simultaneously with a Bachelor's degree or earn an Associate's degree after earning a Bachelor's degree.

The student who has already earned a Bachelor's degree must apply for graduation again in order for the University to award the Associate in Science. No student graduating with a baccalaureate degree will automatically be granted an associate degree.

A STUDENT MAY NOT BE GRANTED AN ASSOCIATE IN ARTS DEGREE SIMULTANEOUSLY WITH A BACHELOR'S DEGREE OR BE GRANTED AN ASSOCIATE IN ARTS DEGREE AFTER EARNING A 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 **BACHELORS** degree may not submit an *Application for Graduation* until they have earned a minimum of 90 semester hours of academic credit. Students pursuing an **ASSOCIATE** degree may not submit an Application for Graduation until they have earned a minimum of 32 semester hours of academic credit. Students pursuing a one-year **CERTIFICATE** program should submit their application after the completion of their first semester.

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 only six credits or less 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 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.
3. Students who elect to graduate with an Associate Degree (AAS, AA, AS) 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.
4. 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.”
5. 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 32 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

One of Dickinson State University’s initiatives and institutional learning outcomes is centered on preparing students to live in a global society and develop an understanding of different cultures. As part of this initiative, students worldwide have been invited to apply for admissions and attend Dickinson State University. Dickinson State University is also engaged in sending faculty and students to universities abroad.

Currently, there are students from over 25 different countries including South and South East Asian countries, Caribbean Countries, Middle East, East and West Africa, Eastern European and Canada enrolled at Dickinson State University. Dickinson State University has exchange agreements with partner universities abroad mainly in South Korea and Japan to allow their students to attend Dickinson State University for short-term non-degree study.

Dickinson State University is also a host institution for Government Sponsored Programs such as Congress Bundestag Youth Exchange Program (CBYX), Thomas Jefferson Scholarship Programs like the Tunisia Undergraduate and the Global Undergraduate Program in Pakistan. These programs are sponsored by the U.S. Department of State’s Bureau of Educational and Cultural Affairs, supported by the people of the United States and implemented by the International Research Exchanges Board (IREX)

Dickinson State University has, in place, processes for both faculty-led and independent student study abroad activities. The faculty-led study abroad excursions are especially exciting because they give students and faculty opportunities to participate in study abroad excursions designed for any type of education outcome students

require. Faculty who are interested in proposing study abroad opportunities should work with the Office of International Programs.

Students can initiate independent study abroad activities and 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 third party study abroad providers like 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, May Hall 212, (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 site student services offices, Technology Resource & Education Center, 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.

Additional information can be found on the Distance Education page of [www.dickinsonstate.edu/academics](http://www.dickinsonstate.edu/academics).

### 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  
 Bachelor of Applied 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 Business Administration: International Business  
 Bachelor of Science in Accounting: Professional Track  
 Bachelor of Science in Nursing (ADRN to BSN only)  
 Bachelor of University Studies  
 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 Human Resource Management  
 Certificate in Accounting Technician  
 Certificate in Business Fundamentals  
 Certificate in Graphic Design  
 Certificate in Horse Production  
 Certificate in Marketing  
 Certificate of Completion: CPA Preparation  
 Certificate of Completion: Entrepreneurship

### Dickinson State University - Bismarck State College Site

Bachelor of Applied Science  
 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 Business Administration: International Business  
 Bachelor of Science in Accounting: Professional Track  
 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 - Choral Music Option  
 Bachelor of Science in Education: Music Education - Composite Music Option  
 Bachelor of Science in Education: Music Education - Instrumental Music Option  
 Bachelor of University Studies  
 Certificate in Human Resource Management

Certificate of Completion: CPA Preparation  
 Certificate of Completion: Entrepreneurship

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

Bachelor of Applied Science  
 Bachelor of University Studies

## **STOXEN LIBRARY**

Stoxen Library is the heart of Dickinson State University and provides valuable resources, services, and spaces for all types of research projects. The library is connected to May Hall and provides services to DSU students, faculty, staff, and community members. 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 print and electronic resources. The library offers over 89,000 print resources which includes books, magazines, journals, newspapers, and maps. The collection includes physical copies of DVDs, videocassettes, and CDs. The library website provides access to over 25,000 ebooks as well as online databases with licensed, full-text, electronic content. The library provides access to 34 desktop computers, 10 laptop computers for use in the library, and Wi-Fi connection for personal devices. Printers, a color printer, two scanners, and a copier are also available.

Stoxen Library is a member of ODIN, the Online Dakota Information Network, which is made up of North Dakota libraries, as well as OCLC, the world's largest network of libraries. Resources that are not available in the Stoxen Library collection can often be obtained through these interlibrary loan networks.

In addition to interlibrary loan services, Stoxen Library staff provides reference services, group and individual research help, and library instruction. Services are available for students on campus and for distance education students.

Stoxen Library accommodates approximately 300 patrons. The library has an instruction classroom, designated group-study areas, a designated quiet area, three viewing rooms, and multipurpose reading and study spaces.

There is no food or drink allowed next to the library computers or the library's laptops.

Dickinson State University IDs are required to check out materials.

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

## 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. You 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 incoming freshmen 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

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 2017-2018 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.

- a. Qualified DSU and transfer students may enter the TRHLP in the fall only and if they have under 60 credit hours. 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 90 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 60 hours will be completed by taking the LEAD 495H-2 Service Learning course. Students can take this course for 1 credit at a time and complete 30 service learning hours per credit, or they can take it for 2 credits and complete 60 service learning hours. Students will engage in other service learning opportunities during their time as TR Scholars, but will only earn credit towards the required 90 while enrolled in the appropriate courses.
  11. TRHLP Scholars who study abroad at a university that has a formal exchange agreement with DSU can maintain their TRHLP Scholarship, but must enroll in equivalent honors courses at the foreign university or in courses approved by the TRHLP Director before the beginning of the study abroad experience.
  12. 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, he/she 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, he/she will be placed on probation for the following semester. If after the probationary semester the student's cumulative is still not a 3.25, he/she 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 his/her 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. If you cannot attend a mandatory event, 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. Your response should answer the following questions for each event attended:

Your three response essays will be due at the same time as your TRHLP Semester Update form at the end of each semester, but if you would like to submit them as they are completed, it is highly encouraged. The TRHLP office prefers electronic submissions.

Electronic submissions can be sent to Mari Kovash at [Marietta.kovash@dickinsonstate.edu](mailto:Marietta.kovash@dickinsonstate.edu).

announcement email. This form supplies an array of important data used to improve the program and facilitate timely graduation and communication

- 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, he/she will be placed on participation warning status for the following semester. If the student does not have satisfactory participation after the warning semester, he/she will be placed on participation probation. If after the probationary semester, the student's participation is still not satisfactory, he/she 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 his/her time in the program. Instead of being placed on participation probation for a second time, the student will forfeit the scholarship.
  - b. If a student does not have satisfactory participation for a semester, he/she will be placed on participation probation for the following semester. If the student does not have satisfactory participation during the probationary semester, he/she will forfeit the scholarship beginning the next semester. A student will be placed on participation probation only two times. Instead of being placed on participation probation for a third time, the student will forfeit the scholarship.
  - c. 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.
  - d. 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.
  - e. Students removed from the TRHLP may not apply for re-admission to the program or the scholarship.
  - f. Mandatory Events: When attending mandatory events, you must sign in or do what is necessary to verify you were in attendance. If you were not in attendance but someone signs you in, both parties will be immediately placed on probation. If one or both parties already have a probation on file, you will be removed from the TRHLP.
  - g. Mandatory All-Class Meetings: In the event a TRHLP Scholar misses a mandatory monthly class meeting, please ask your TREC representative for an update within 7 days. 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

# 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

COMM 111H and ENGL 111H satisfy the Group I General Education requirements.

#### Special Learning Opportunities

- Predictive Index Workshop-Leadership Profiles
- Theodore Roosevelt Symposium

#### Spring Semester

ENGL 121H	Honors Composition II	3
LEAD 100H	21st Century Leadership	3
LEAD 296H	Study Tour	1

ENGL 121H satisfies the Group I General Education requirement.

Study Tour alternates between the spring and fall semesters.

#### Special Learning Opportunities

- Study Tour

### YEAR TWO

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#### Fall Semester

LEAD 200H	Leadership and Change	1
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Students take additional courses in their discipline major.

#### Special Learning Opportunities

- Serve as a Freshman Seminar mentor
- There will be enrichment opportunities involving prominent guest presenters from business, government and education.
- National Collegiate Honors Council Conference

#### Spring Semester

COMM 216	Intercultural Communication	3
BADM 369	Business Ethics and Critical Thinking	3

COMM 216 satisfies the Group II-B General Education requirement.

Students take additional courses in their discipline major.

#### Special Learning Opportunities

- Serve as Freshman Seminar mentor
- Attend a Student Research Conference or Poster Session
- TRHLP Community Service Project
- Study Tour

### YEAR THREE

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#### Fall Semester

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

Students must complete at least 30 hours of service for each credit received. All service learning projects must be approved by the TRHLP Director.

#### Special Learning Opportunities

- Serve as a Freshman Seminar mentor for the Theodore Roosevelt Freshman Scholars
- Serve as Campus Organization Leader
- National Collegiate Honors Council Conference

#### Spring Semester

LEAD 300H	Global Leadership	1
LEAD 494H	Independent Study: Conference Proposal	1

Students take additional courses in their discipline major and explore internship possibilities.

#### Special Learning Opportunities

- Participate in campus leadership activities
- Collaborative research
- Study Tour
- Dickinson State University Undergraduate Research Conference
- National Collegiate Honors Council Conference
- Theodore Roosevelt Honors Leadership Program Community Service Project

**YEAR FOUR**

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**Fall Semester**

LEAD 491H Honors Seminar 3

Students take additional courses in their discipline major. Graduating seniors must apply for graduation indicating they expect to graduate with a Leadership Studies Minor, then conduct a graduation audit with the TR Program

Director at least ONE SEMESTER PRIOR TO GRADUATION.

**Special Learning Opportunities**

- Serve as a Freshman Seminar mentor
- National Collegiate Honors Council Conference

**Spring Semester**

LEAD 497H Internship 2

Students take additional courses in their discipline major.

**Special Learning Opportunities**

- Serve as a Freshman Seminar mentor
- Undergraduate Research Conference

**Total Credit Hours: 34****LEADERSHIP STUDIES MINOR**

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The Leadership Studies Minor is earned by completing the 21 credits detailed below. The remaining 13 credits are earned through university required General Education and elective courses.

**REQUIREMENTS**

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**Courses**

BADM 369	Business Ethics and Critical Thinking	3
COMM 216	Intercultural Communication	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 Two Credits Required	1-2
LEAD 497H	Internship	2

**Total Credit Hours: 21**

# 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
SPAN 101	First Year Spanish I	4

SPAN 102	First Year Spanish II	4
		<b>Subtotal: 3</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 201	World 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
		<b>Subtotal: 3</b>

**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
		<b>Subtotal: 3-4</b>

**List D. Social Science**

ECON 105	Elements Of Economics	3
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
<b>Subtotal: 3</b>		

**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 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
<b>Subtotal: 4-5</b>		

CHEM 111	Fundamentals of Chemistry	3
CHEM 111L	Fundamentals of Chemistry Lab	1
CHEM 122	General Chemistry II	4
CHEM 122L	General Chemistry Lab II	1
COMM 111H	Honors Public Speaking	3
ECON 106	Global Economics	3
ECON 202	Principles Of Macro-Economics	3
HPER 100	Concepts of Fitness and Wellness	2
MATH 104	Finite Mathematics	4
MATH 110	Liberal Arts Mathematics	3
NURS 240	Fundamentals of Nutrition	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
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1

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.

**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 SH)

**Subtotal: 39-41**

**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.

**TRANSFER OF ASSOCIATE DEGREES****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

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

### Faculty

Full-time Faculty: Poland – Chair, King, Rodriguez, Steffan, 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 BS in Agricultural Studies or AS 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. 27) 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.

### Majors

Bachelor of Science - Agricultural Studies

Options:

Business/Marketing  
International Agri-Business  
Integrated Farm Management  
Integrated Ranch Management  
Natural Resource Management  
Range Management  
Soil Science  
Equine

Associate in Science - Agricultural Sales and Service

Options:

Agricultural Business Management  
Natural Resources  
Production Agriculture  
Technology in Agriculture  
Equine Management  
Equine Training

### Minors

Agri-Business  
Equine  
Geographic Information Systems (GIS)  
Soils

### Certificate Programs

Farm and Ranch Management  
Horse Production

## BACHELOR OF SCIENCE DEGREE - AGRICULTURAL STUDIES

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### 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

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### 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 336	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
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CSCI 200	Database Software Applications	3
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**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 216	Intercultural Communication	3
COMM 312	Interpersonal 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 or Equine) to complete the Bachelor of Science in Agricultural Studies degree.

**Business/Marketing Option**

*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 374	Cooperatives	3
AGEC 375	Applied Agricultural Law	3
AGEC 387	Commodity Futures and Options	3

AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
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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 and Social Networking	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 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 374	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 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 374	Cooperatives	3
AGEC 375	Applied Agricultural Law	3
AGEC 387	Commodity Futures and Options	3
AGEC 442	Advanced Farm Management	3
GIS 210	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
		<b>Subtotal: 49-51</b>

**Integrated Ranch Management Option**

*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 210	Applied GPS	3
GIS 480	GPS/GIS II	3
PLSC 225	Principles of Crop Production	3
RNG 456	Range Habitat Management	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 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 210	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 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 210	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 456	Range Habitat 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

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

SOIL 321	Soil Management and Conservation	3
SOIL 322	Soil Fertility and Fertilizers	3
SOIL 455	Soil Microbiology	3

**Subtotal: 49-50****Soil Science Option**

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 210	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	1
	Or	
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
	Or	
PHYS 212	College Physics II	3
PHYS 212L	College Physics II Lab	1

**Subtotal: 46-47****Equine Option**

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
<b>Subtotal: 48-50</b>		

**ASSOCIATE IN SCIENCE DEGREE -  
AGRICULTURAL SALES AND SERVICE****Degree Requirements:**

General Education Courses  
Core Curriculum  
Option(s) Courses

**Degree 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 Business Management, Equine Management, Equine Training, or Technology in Agriculture. (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
<b>Subtotal: 9</b>		

**OPTIONS**

Students must select and complete at least one option (Agricultural Business Management, Natural Resources, 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**

AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
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**

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**

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**

AGRI 280	Technology in Agriculture	3
AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
GIS 210	Applied GPS	3
GIS 380	Applied Arc GIS	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**

*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**

*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****REQUIREMENTS****Courses**

AGEC 244	Introduction to Agricultural Marketing	3
AGEC 246	Introduction to Agricultural Finance	3
AGEC 342	Introduction to Agricultural Management	3
H&CE 241	Leadership and Presentation Techniques	3
AGEC 387	Commodity Futures and Options	3

**Select at least nine credit hours from the following (9-10 credits):**

AGEC 374	Cooperatives	3
AGRI 297	Agricultural Management Internship; Externship; Cooperative Education Two Credits Required	1-6
RNG 336	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****EQUINE MINOR****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****REQUIREMENTS****Courses**

CSCI 120	Computer Programming I	3
CSCI 200	Database Software Applications	3
GEOG 121	Physical Geography	3
GIS 210	Applied GPS	3
GIS 380	Applied Arc GIS	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****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****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):**

AGRI 280	Technology in Agriculture	3
GIS 210	Applied GPS	3

**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):**

ASC 087	College Writing Preparation No University Credit Granted - Developmental Course	3
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ENGL 110	College Composition I	3
Choose course based upon ACT score or English Placement score.		

**Total Credit Hours: 36-38****HORSE PRODUCTION CERTIFICATE PROGRAM**

The Horse Production Certificate Program will offer students the opportunity to receive equine production education designed to enhance their understanding of the equine industry. Students enrolled in this program will receive a certificate upon successful completion of the requirements of this program.

**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****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 - General 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 336	Introduction to Range Management	4
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SOIL 210	Introduction to Soil Science	4
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**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**

# SCHOOL OF BUSINESS AND ENTREPRENEURSHIP

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

### Faculty

Full-time Faculty: Gruhlke-Chair, Butz, Conrick, Corbin, Dragseth, Hanson, Hauf, Heidt, Kass, Lowe, Neubert, Voutsas

### 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. 28) 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.

### Majors

Bachelor of Business Administration with Major in Accounting

Bachelor of Business Administration with Major in Administration

Bachelor of Business Administration with Major in Finance

Bachelor of Business Administration with Major in Human Resource Management

Bachelor of Business Administration with Major in International Business

Bachelor of Science in Accounting with Professional Track

Bachelor of Science in Education - Business Education (Secondary Education)

Bachelor of Applied Science

Associate in Applied Science in Office Administration

Concentrations:

Accounting

Agri-Business

Legal

Management

Medical

### Marketing Concentration

The marketing concentration is an option that may be added to the following business majors: Accounting, Administration, Finance, Human Resource Management, International Business, or Business Education.

### Certificate Programs

Accounting Technician

Business Fundamentals

Human Resource Management

Marketing

### Certificate of Completion Program

CPA Preparation

Entrepreneurship

### Minors for Non-Business Majors

Accounting

Business Administration

Business Education (Secondary Education)

Entrepreneurship

## BACHELOR OF BUSINESS ADMINISTRATION WITH MAJOR IN ACCOUNTING

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### 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 and online

### Student Learning Outcomes

Business Core Intended Learning Outcomes

1. Students will be able to apply the fundamental theories and practice of management including planning, organizing, leading and controlling (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
2. Students will be able to apply analytical problem solving techniques used to recommend solutions to business problems (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
3. Students will be able to apply the concepts in the areas of leadership, management, law, and international business (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
4. Students will be able to construct professional forms of communication (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
5. Students will be able to recommend strategic decision alternatives using fundamental business concepts (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).

Accounting Intended Student Learning Outcomes

1. Students will be able to apply the conceptual framework of financial accounting and reporting in business situations (this learning outcome directly addresses Institutional Learning Outcomes II and VI).

2. Students will be able to explain the various costing systems and define the role cost plays in decision-making (this learning outcome directly addresses Institutional Learning Outcomes II and VI).
3. Students will be able to define federal tax laws, auditing theories, standards, and procedures. (this learning outcome directly addresses Institutional Learning Outcomes II and VI).

Group III (E)	Natural Science	4
General Education Elective	ECON 202 (see Pre Major Core)**	3

**Subtotal: 28**

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*12 General Education credits met in Pre Major Core

## 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 (see Pre Major Core)**	3

### Pre-Major Courses

Requires a "C" or better in each course except MATH 146 (requires passing grade only).

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(M/C) MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics MEETS Group III-D General Education Requirement	3
ECON 202	Principles Of Macro-Economics MEETS General Education Elective Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4

**Subtotal: 28**

### 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

**Subtotal: 34**

**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 406	Advanced Accounting	3
ACCT 407	Auditing I	4
Electives	200-400 Level Business credits	3
		<b>Subtotal: 31</b>

**Subtotal: 121****BUSINESS ELECTIVES**

Select a minimum of 3 credit hours, at the 200 level or higher, from any ACCT, BADM, BOTE, ENTR, FIN or MRKT courses, not already in major.

Students may utilize credit hours from the required Leadership Minor in the Theodore Roosevelt Honors Leadership Program to complete the elective requirements for business majors.

Select **29** credit hours from any ACCT, BADM, BOTE, ENTR, FIN or MRKT courses numbered above 200, not already included in major to meet the 150 credit hour requirement to sit for the CPA Exam.

**Total Credit Hours: 150**

## **BACHELOR OF BUSINESS ADMINISTRATION WITH MAJOR IN ADMINISTRATION**

**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 and online****Student Learning Outcomes**

Business Core Intended Learning Outcomes

1. Students will be able to apply the fundamental theories and practice of management including planning, organizing, leading and controlling (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
2. Students will be able to apply analytical problem solving techniques used to recommend solutions to business problems (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
3. Students will be able to apply the concepts in the areas of leadership, management, law, and international business (this learning outcome directly

addresses Institutional Learning Outcomes I, II, III, V and VI).

4. Students will be able to construct professional forms of communication (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
5. Students will be able to recommend strategic decision alternatives using fundamental business concepts (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, 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 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	ECON 202 (see Pre Major Core)**	3

**Subtotal: 28**

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*12 General Education credits met in Pre Major Core

**Pre-Major Courses**

Requires a "C" or better in each course except MATH 146 (requires passing grade only).

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(M/C) MEETS Group II-B General Education Requirement	3
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ECON 201	Principles Of Microeconomics MEETS Group III-D General Education Requirement	3
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ECON 202	Principles Of Macro-Economics MEETS General Education Elective Requirement	3
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MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
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MATH 305	Probability and Statistics	4
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**Subtotal: 28****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

**Subtotal: 34****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 (6 Business credits; 12 credits in any academic discipline)	18

**Subtotal: 30****BUSINESS ELECTIVES:**

Select a minimum of **6** credit hours, at the 200 level or higher from ACCT, BADM, BOTE, ENTR, FIN or MRKT courses, not already included in major, plus **12** credit hours at the 200 level or higher, from any academic discipline. All 18 credit hours may be Business electives if desired.

Students may utilize credit hours from the required Leadership Minor in the Theodore Roosevelt Honors Leadership Program to complete the elective requirements for business majors.

**Total Credit Hours: 120**

## BACHELOR OF BUSINESS ADMINISTRATION WITH MAJOR IN FINANCE

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**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 and online****Student Learning Outcomes**

The undergraduate program in Finance will enable students to:

**Business Core Intended Learning Outcomes**

1. Students will be able to apply the fundamental theories and practice of management including planning, organizing, leading and controlling (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
2. Students will be able to apply analytical problem solving techniques used to recommend solutions to business problems (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
3. Students will be able to apply the concepts in the areas of leadership, management, law, and international business (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
4. Students will be able to construct professional forms of communication (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
5. Students will be able to recommend strategic decision alternatives using fundamental business concepts (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).

**Finance Major Intended Student Learning Outcomes:**

1. Students will be able to solve fundamental problems in the following areas: time value of money, capital budgeting, working capital management, financial statement analysis, cost of capital, and capital structure (this learning outcome directly addresses Institutional Learning Outcomes II and VI).

2. Students will be able to apply the knowledge of financial analyses of risk and return and valuation of debt and equity securities (this learning outcome directly addresses Institutional Learning Outcomes II and VI).
3. Students will be able to compare and contrast at least three differences between strictly US based business practices and International business practices as it relates to financial activities (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 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	ECON 202 (see Pre Major Core)**	3
		<b>Subtotal: 28</b>

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*12 General Education credits met in Pre Major Core

### Pre-Major Courses

Requires a "C" or better in each course except MATH 146 (requires passing grade only).

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(M/C) MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics MEETS Group III-D General Education Requirement	3
ECON 202	Principles Of Macro-Economics MEETS General Education Elective Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 28</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
ACCT 422	Business Valuation	3
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	4
		<b>Subtotal: 30</b>

**BUSINESS ELECTIVES**

Select a minimum of **4** credit hours, at the 200 level or higher, from ACCT, BADM, BOTE ENTR, FIN or MRKT courses not already included in the major, OR from any academic discipline at the 200 level or higher.

Students may utilize credit hours from the required Leadership Minor in the Theodore Roosevelt Honors Leadership Program to complete the elective requirements for business majors.

**Total Credit Hours: 120**

## **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 WITH MAJOR IN HUMAN RESOURCE MANAGEMENT**

**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 and online****Student Learning Outcomes****Business Core Intended Learning Outcomes**

1. Students will be able to apply the fundamental theories and practice of management including planning, organizing, leading and controlling (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
2. Students will be able to apply analytical problem solving techniques used to recommend solutions to business problems (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
3. Students will be able to apply the concepts in the areas of leadership, management, law, and international business (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
4. Students will be able to construct professional forms of communication (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
5. Students will be able to recommend strategic decision alternatives using fundamental business concepts (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).

## Human Resource Management Major Intended Student Learning Outcomes

- Students will be able to analyze human resource management functions including staffing, appraisal and compensation, labor management practices, training, career planning, and organizational development (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI).
- Students will be able to identify ethical and legal challenges relevant to managing human resources in a global competitive environment (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, 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 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	ECON 202 (see Pre Major Core)**	3
		<b>Subtotal: 28</b>

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*12 General Education credits met in Pre Major Core

**Pre-Major Courses**

Requires a "C" or better in each course except MATH 146 (requires passing grade only).

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(M/C) MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics MEETS Group III-D General Education Requirement	3
ECON 202	Principles Of Macro-Economics MEETS General Education Elective Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 28</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>

**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>

**BUSINESS ELECTIVES**

Select 12 credit hours, at the 200 level or higher, from ACCT, BADM, BOTE, ENTR, FIN or MRKT courses, not already included in major, OR from any academic discipline at the 200 level or higher.

Students may utilize credit hours from the required Leadership Minor in the Theodore Roosevelt Honors Leadership Program to complete the elective requirements for business majors.

**Total Credit Hours: 120**

## **BACHELOR OF BUSINESS ADMINISTRATION WITH MAJOR IN INTERNATIONAL BUSINESS**

### **Degree Requirements:**

General Education Courses  
Pre-Major Courses  
Business Core Courses  
International Business Major Core Courses  
Electives

A cumulative GPA of 2.25 or higher is required for graduation

### **Degree available in Bismarck and online**

### **Student Learning Outcomes**

#### Business Core Intended Learning Outcomes

1. Students will be able to apply the fundamental theories and practice of management including planning, organizing, leading and controlling (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
2. Students will be able to apply analytical problem solving techniques used to recommend solutions to business problems (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
3. Students will be able to apply the concepts in the areas of leadership, management, law, and international business (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
4. Students will be able to construct professional forms of communication (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
5. Students will be able to recommend strategic decision alternatives using fundamental business concepts (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).

#### International Business Major Intended Student Learning Outcomes

1. Students will be able to describe three areas of business practices that must be considered by any entity wishing to transact business in the global markets (this learning outcome directly addresses Institutional Learning Outcomes I, V, and VI).

2. Students will be able to explain several concepts of why and how international trade benefits global society (this learning outcome directly addresses Institutional Learning Outcomes I, 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 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	ECON 202 (see Pre Major Core)**	3

**Subtotal: 28**

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*12 General Education credits met in Pre Major Core

### **Pre-Major Courses**

Requires a "C" or better in each course except MATH 146 (requires passing grade only).

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(M/C) MEETS Group II-B General Education Requirement	3
ECON 201	Principles Of Microeconomics MEETS Group III-D General Education Requirement	3
ECON 202	Principles Of Macro-Economics MEETS General Education Elective Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 28</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>

**International Business Major Core Courses**

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

Choose from the following options for three credits:

BADM 496	Study Tours	1-6
BADM 497	Business Administration Internship, Externship, Cooperative Education	1-6

Electives	200-400 level (3 Business credits; 12 credits in any academic discipline)	15
		<b>Subtotal: 30</b>

**BUSINESS ELECTIVES:**

Select a minimum of 3 credit hours, at the 200 level or higher, from ACCT, BADM, BOTE, ENTR, FIN or MRKT courses, not already included in major, plus 12 credit hours at the 200 level or higher, from any academic discipline. All 15 credit hours may be Business electives if desired.

Students may utilize credit hours from the required Leadership Minor in the Theodore Roosevelt Honors

Leadership Program to complete the elective requirements for business majors.

**Total Credit Hours: 120**

## **BACHELOR OF SCIENCE - ACCOUNTING (PROFESSIONAL TRACK)**

**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 and online****Student Learning Outcomes**

Business Core Intended Learning Outcomes

1. Students will be able to apply the fundamental theories and practice of management including planning, organizing, leading and controlling (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI).
2. Students will be able to apply analytical problem solving techniques used to recommend solutions to business problems (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
3. Students will be able to apply the concepts in the areas of leadership, management, law, and international business (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
4. Students will be able to construct professional forms of communication (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).
5. Students will be able to recommend strategic decision alternatives using fundamental business concepts (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI).

Accounting Intended Student Learning Outcomes

1. Students will be able to apply the conceptual framework of financial accounting and reporting in business situations (this learning outcome directly addresses Institutional Learning Outcomes II and VI).
2. Students will be able to explain the various costing systems and define the role cost plays in decision-making (this learning outcome directly addresses Institutional Learning Outcomes II and VI).
3. Students will be able to define federal tax laws, auditing theories, standards, and procedures (this learning outcome directly addresses Institutional Learning Outcomes II and VI).

## REQUIREMENTS

### Professional Exam Requirements

Students earning a Bachelor of Science 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)	Global Perspectives	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 (see Pre Major Core)**	3
Group III (E)	Natural Science	4
General Education Elective	ECON 202 (see Pre Major Core)**	3

**Subtotal: 31**

Grade of "C" or better is required for ENGL 110, ENGL 111H\*, ENGL 120, and ENGL 121H\*

\*TR Scholar

\*\*9 General Education credits met in Pre Major Core

### Pre-Major Courses

Requires a "C" or better in each course except MATH 146 (requires a passing grade only).

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BOTE 247	Spreadsheet Applications	3
ECON 201	Principles Of Microeconomics MEETS Group III-D General Education Requirement	3
ECON 202	Principles Of Macro-Economics MEETS General Education Elective Requirement	3
MATH 146	Applied Calculus I MEETS Group III-C General Education Requirement	3
MATH 305	Probability and Statistics	4
		<b>Subtotal: 22</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 Major Required Core Courses.

ACCT 315	Business Law I	3
BADM 336	Management and Leadership	3
BADM 376	Production/Operations Management	3
BADM 485	Business Policy	4
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3
		<b>Subtotal: 19</b>

### Accounting Major Core Courses

ACCT 301	Computerized Accounting	3
ACCT 305	Cost Accounting	3
ACCT 310	Government & Nonprofit Acct	3
ACCT 330	Financial Statement Analysis	3
ACCT 331	Intermediate Accounting I	4
ACCT 332	Intermediate Accounting II	4
ACCT 333	Income Tax I	4
ACCT 406	Advanced Accounting	3
ACCT 407	Auditing I	4
ACCT 422	Business Valuation	3
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	3
		<b>Subtotal: 49</b>

**Subtotal: 121**

**BUSINESS ELECTIVES**

Select 3 credit hours, at the 200 level or higher, from ACCT, BADM, BOTE, ENTR, FIN or MRKT courses, not already included in major, OR from any academic discipline at the 200 level or higher.

Students may utilize credit hours from the required Leadership Minor in Theodore Roosevelt Honors Leadership Program to complete the elective requirements for business majors.

Select 29 credit hours from any ACCT, BADM, BOTE, ENTR, FIN or MRKT courses numbered above 200, not already included in major to meet the 150 credit hour requirement to sit for the CPA Exam.

**Total Credit Hours: 150**

## **BACHELOR OF SCIENCE IN EDUCATION DEGREE - BUSINESS EDUCATION**

**Degree Requirements:**

General Education Courses

Business Education Major Courses

Select one of the following options:

Option One – Approved Education Minor Required

Option Two – Additional Courses Required (No Minor Required)

Secondary Professional Education Sequence

**Degree available in Bismarck**

**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
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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
ACCT 315	Business Law I	3
BADM 336	Management and Leadership	3
BADM 388	Management Information Systems	3
BOTE 147	Word Processing and Presentation Software	3

BOTE 210	Business Communication	3
BOTE 218	Desktop Publishing	3
BOTE 247	Spreadsheet Applications	3
BOTE 275	Administrative Office Procedures	3
CSCI 200	Database Software Applications	3
ENTR 366	Entrepreneurship	3
MRKT 301	Principles of Marketing	3
SEED 490B	Methods in Business Education	3
<b>Subtotal: 42</b>		

**Select one of the following options:****Option 1**

Complete a minor that is approved for teaching 24

**Option 2**

Complete the following courses (No minor required):

BADM 364	Electronic Commerce and Social Networking	3
BOTE 411	Philosophy of Career & Technical Education	3
BOTE 412	Coordination of Cooperative Work Experience Programs	3
CSCI 181	Web Management	3
CSCI 221	Computer Networks	3
<b>Subtotal: 15</b>		

**Total Credit Hours: 60-69**

**BACHELOR OF APPLIED SCIENCE****Degree Requirements:**

General Education Courses  
Major Courses  
Elective Courses

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 requirements listed below.

**Degree available in Williston and online**

**REQUIREMENTS**

40 General Education credits per catalog; ECON 201 and 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.

**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	3
ECON 202	Principles Of Macro-Economics	3
ENTR 366	Entrepreneurship	3
FIN 326	Managerial Finance	3
MRKT 301	Principles of Marketing	3
<b>Total Credit Hours: 36</b>		

**ASSOCIATE IN APPLIED SCIENCE  
DEGREE - OFFICE ADMINISTRATION****Degree Requirements:**

General Education Courses  
Office Administration Major Courses  
Concentration  
Electives

Students must complete the Associate in Applied Science Office Administration Degree requirements with a cumulative grade point average of 2.0 or higher.

**Student Learning Outcomes**

The undergraduate program in Office Administration will enable students to:

1. Display a comprehensive knowledge of administrative support tasks (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Communicate accurately and effectively, both verbally and in writing, with clients, customers, coworkers, and supervisors in the workplace (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
3. Develop procedures for incoming and outgoing communications in a business environment (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
4. Demonstrate proficiency in information processing systems that include word processing, database, spreadsheets, and desktop publishing (This learning outcome directly addresses Institutional Learning Outcomes II, and V.)
5. Exhibit an understanding and an effective use of telecommunications (This learning outcome directly addresses Institutional Learning Outcomes I, II, V.)
6. Express the ability to manage time and multiple tasks (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
7. Complete an internship successfully in a specific concentration area (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
8. Plan and prepare for employment and career advancement (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)

**REQUIREMENTS**

**The following are required as a part of general education:**

COMM 110	Fundamentals Of Public Speaking	3
CSCI 101	Introduction To Computers	3
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
MATH 103	College Algebra	4
<b>Subtotal: 16</b>		

**Office Administration Major Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 301	Computerized Accounting	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
BOTE 275	Administrative Office Procedures	3
BOTE 297	Office Administration Internship, Externship, Cooperative Education Three Credits Required	1-6
CSCI 200	Database Software Applications	3
ECON 201	Principles Of Microeconomics	3
		<b>Subtotal: 33</b>

**ELECTIVES AND CONCENTRATIONS**

- Select a TOTAL of **15** credit hours from **ANY** courses listed below to complete 64 credit hours. Note courses offered at BSC.
- If you choose a concentration, completion of courses in that concentration will be posted on your final transcript.

**Accounting Concentration suggested courses**

ACCT 201	Elements Of Accounting II	3
ACCT 305	Cost Accounting	3
ACCT 310	Government & Nonprofit Acct	3
ACCT 330	Financial Statement Analysis	3
ACCT 331	Intermediate Accounting I	4
ACCT 332	Intermediate Accounting II	4
ACCT 333	Income Tax I	4

**Agri-Business Concentration suggested courses**

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

**Legal Concentration suggested courses**

ACCT 315	Business Law I	3
ACCT 316	Business Law II	3
POLS 201	The Criminal Justice System	3

**Courses may be offered collaboratively through Bismarck State College (BSC).**

BOTE 253	Legal Office Procedures	2
BOTE 251	Legal Transcription	2

**Management Concentration suggested courses**

BADM 346	Human Resource Management	3
BADM 356	Organizational Behavior	3
BADM 364	Electronic Commerce and Social Networking	3
BADM 369	Business Ethics and Critical Thinking	3
BADM 388	Management Information Systems	3

**Medical Concentration suggested courses**

BOTE 171	Medical Terminology I	3
HPER 215	Survey of Human Anatomy	4

**Courses may be offered collaboratively through Bismarck State College (BSC).**

BOTE 138	Medical Coding I	2
BOTE 139	Medical Coding II	2
BOTE 172	Medical Terminology II	3
BOTE 222	Medical Transcription I	3
BOTE 223	Medical Transcription II	3
		<b>Subtotal: 64</b>

**ACCOUNTING TECHNICIAN CERTIFICATE**

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 online****REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
ACCT 330	Financial Statement Analysis	3
BADM 299	Special Topics, Readings Three Credits Required Or	1-6
BOTE 210	Business Communication	3
BOTE 247	Spreadsheet Applications	3

**Total Credit Hours: 15****BUSINESS FUNDAMENTALS CERTIFICATE**

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 online****REQUIREMENTS****Courses**

ACCT 200	Elements Of Accounting I	3
ACCT 201	Elements Of Accounting II	3
BADM 299	Special Topics, Readings Three Credits Required	1-6
BOTE 247	Spreadsheet Applications	3
FIN 320	Personal Finance	3

**Total Credit Hours: 15**

## HUMAN RESOURCE MANAGEMENT CERTIFICATE

**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 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 494	Independent Study, Undergraduate Research One Credit Required	1-6

**Subtotal: 16**

## MARKETING CERTIFICATE

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 online

### REQUIREMENTS

#### Courses

BADM 364	Electronic Commerce and Social Networking	3
MRKT 301	Principles of Marketing	3
MRKT 340	Advertising and Sales Promotion	3
MRKT 357	International Marketing	3

**Total Credit Hours: 12**

## CPA PREPARATION CERTIFICATE OF COMPLETION

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 and online

## REQUIREMENTS

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

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 and online

### REQUIREMENTS

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**

## MARKETING CONCENTRATION FOR BUSINESS MAJORS

The Marketing Concentration is an option that may be added to any of these Business majors: Accounting, Administration, Finance, Human Resource Management, International Business, or Business Education.

Concentration available in Bismarck and online

### REQUIREMENTS

#### Courses

BADM 364	Electronic Commerce and Social Networking	3
MRKT 340	Advertising and Sales Promotion	3
MRKT 357	International Marketing	3

Choose one course from the following:

BADM 466	Business Research	3
BADM 497	Business Administration Internship, Externship, Cooperative Education Three Credits Required	1-6
MRKT 386	Retail Management	3
MRKT 491	Business Administration Seminar: Marketing	3

**Subtotal: 12**

\*The School of Business and Entrepreneurship strongly suggests that students take an internship that relates directly to marketing.

## 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

#### REQUIREMENTS

##### 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 and Social Networking	3
BOTE 210	Business Communication	3
ENTR 366	Entrepreneurship	3
MRKT 301	Principles of Marketing	3
MRKT 340	Advertising and Sales Promotion	3
	Or	
MRKT 386	Retail Management	3

**Total Credit Hours: 21**

# DEPARTMENT OF FINE AND PERFORMING ARTS

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## *College of Arts and Sciences*

### Faculty

Full-time Faculty: Haight - Chair, Fader, Grabowsky, Hueske, Jahner, Mabry, Rogers, Walter, Walter-Frojen, Wohletz

The Department of Fine and Performing Arts offers degree programs in Art, Communication, Graphic Design, Music, and Theatre.

### Mission

The faculty of the Department of Fine and Performing Arts believes that the fine arts, by their nature, are especially important to the cultivation of the liberal arts values of inquiry, sensitivity, empathy and creativity. Further, specialists in the fine arts are needed to promote these values and to contribute to the cultural and economic base of any community. Thus, the mission of the department is to increase the appreciation of and the participation in the various fine arts in southwestern North Dakota and to train artists who can, through exhibitions, performances and teaching, add to the quality of life wherever they eventually make their homes.

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

By completing the designated courses for Art (p. 28), Communication (p. 28), Music (p. 28), or Theatre (p. 29) 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.

### Majors

Bachelor of Science in Education - Art Education (K-12 Education)

Bachelor of Arts in Art

Bachelor of Science in Art Entrepreneurship

Tracks:

Fine Arts

Graphic Arts

Bachelor of Arts in Communication

Bachelor of Science in Education - Music

Options:

Choral

Composite

Instrumental

Bachelor of Arts - Music

Bachelor of Arts in Theatre

### Minors

Art

Communication

Graphic Design

Music

Theatre

### Certificate Program

Graphic Design Certificate

### ART

The Dickinson State Art program provides instruction which leads to K-12 teaching certification in art and professional training which leads to graduate school in art, arts management or art business careers. In addition, the program serves the general education needs of the University with fundamentals courses and promotes the understanding and enjoyment of art on campus, in the community, and in the region.

All students majoring or minoring in Art (including the BA, BS Education, BS Entrepreneurship and Art minors) will have their work reviewed and evaluated twice during their four years at DSU: once during their sophomore year, prior to admission to upper-level courses, and again during their senior year, in conjunction with ART 410/ART 411-Senior Exhibition.

### Sophomore Reviews

Participation in the Sophomore Portfolio Review is required for all Art majors and minors in their sophomore year. Sophomores seeking an art degree should have completed ART 122 – Two-Dimensional Design, ART 130 - Drawing I and either completed or be enrolled in ART 124 - Three-Dimensional Design, an Art History course and ART 230 - Drawing II. This includes Art & Design equivalent courses transferred from another institution. Failure to sign up for and complete the Sophomore Portfolio Review will result in a hold being placed on your enrollment. Likewise, students enrolled at DSU changing their major or minor to an Art program are required to complete the Sophomore Portfolio Review once they have completed the courses listed above.

Transfer students should meet with a faculty member from their art program area for advice about Sophomore Portfolio Review and other issues as soon as possible once they are here on campus. Generally, transfer students will go through the review process during their first full semester on campus if they have completed enough art and design credits. As transfers, it is likely they may actually be classified as juniors by the time of their review. The required art and design courses completed or in progress listed above also apply to transfers. When choosing work to show, transfer students should not only show work produced so far at DSU, but also work that was produced in any art and design courses from their previous institution that were substituted for art and design courses offered at DSU.

A Bachelor of Science in Education degree in Art Education requires coursework including General Education, the major, professional education, and electives to equal a minimum of 120 semester hours.

A Bachelor of Science in Art Entrepreneurship requires coursework including General Education, the major, a

minor in Entrepreneurship for non-business students, and electives to equal a minimum of 120 semester hours.

A Bachelor of Arts degree in Art requires coursework including General Education, 8 credits of foreign language, the major, a minor, and electives to equal a minimum of 120 semester hours.

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - ART EDUCATION

### Degree Requirements:

General Education Courses

Major Courses

Professional Secondary Education

### Student Learning Outcomes

The graduate from this program will have demonstrated that they can:

1. Create works of art applying the principles of design, using visual elements in two and three dimensions; with a high degree of craftsmanship. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)
2. Demonstrate a broad understanding of art history by evaluating the art historical context of their work and the work of others through critical analysis. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI and VII.)
3. Apply knowledge and skills from a variety of sources to their own creative work. (This learning outcome directly addresses Institutional Learning Outcomes I, VI, and VII.)
4. Produce work that embodies a structured set of artistic and intellectually unified goals. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
5. Demonstrate proficiency in the 10 InTASC standards. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI, and VII.)

### REQUIREMENTS

#### Art Education (K-12) Art Core Courses

Students must earn a grade of "C" or higher in all required courses for this program.

ART 122	Two-Dimensional Design	3
ART 124	Three-Dimensional Design	3
ART 130	Drawing I	3
ART 210	Art History I	3
ART 211	Art History II	3
ART 311	Professional Practices	3
ART 410	Senior Exhibition	2
		<b>Subtotal: 20</b>

#### Art Requirements

ART 220	Painting I	3
	Or	
ART 225	Water Media I	3

ART 230	Drawing II	3
ART 250	Ceramics I	3
ART 270	Printmaking I	3
ART 280	Photography I	3
	Or	
ART 281	Introduction to Digital Photography	3
ART 310	Modern Art History	3
SEED 490A	Art Methods for K-12 Education	4
		<b>Subtotal: 22</b>

A Bachelor of Science in Education degree requires General Education, the major, and the Professional Education sequence to equal a minimum of 120 semester hours.

**Total Credit Hours: 42**

## BACHELOR OF ARTS DEGREE - ART

### Degree Requirements:

General Education Courses

Major Courses

Minor Courses

Foreign Language Requirement

Electives

### Student Learning Outcomes

The graduate from this program will have demonstrated that they can:

1. Create works of art applying the principles of design, using visual elements in two and three dimensions; with a high degree of craftsmanship. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)
2. Demonstrate a broad understanding of art history by evaluating the art historical context of their work and the work of others through critical analysis. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI and VII.)
3. Apply knowledge and skills from a variety of sources to their own creative work. (This learning outcome directly addresses Institutional Learning Outcomes I, VI, and VII.)
4. Produce work that embodies a structured set of artistic and intellectually unified goals. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)

### REQUIREMENTS

#### Art Core Courses

Students must earn a grade of "C" or higher in all required courses for this program.

ART 122	Two-Dimensional Design	3
ART 124	Three-Dimensional Design	3
ART 130	Drawing I	3
ART 210	Art History I	3
	Or	
ART 211	Art History II	3

ART 311	Professional Practices	3
ART 410	Senior Exhibition	2
		<b>Subtotal: 17</b>

**Internships-Service Learning-Art History**

ART 295	Service Learning Two Credits Required Or	1-6
ART 297	Art Internship, Externship, Cooperative Education Two Credits Required	1-6

ART 310	Modern Art History	3
ART 312	Contemporary Art History	3
		<b>Subtotal: 8</b>

**Fine Arts Courses**

ART 220	Painting I Or	3
ART 225	Water Media I	3
ART 230	Drawing II	3
ART 250	Ceramics I	3
ART 270	Printmaking I	3
ART 280	Photography I	3
		<b>Subtotal: 15</b>

A Bachelor of Arts degree in Art requires coursework including General Education, 8 credits of foreign language, the major, a minor, and electives to equal a minimum of 120 semester hours.

**Total Credit Hours: 40****BACHELOR OF SCIENCE DEGREE -  
ART ENTREPRENEURSHIP****Degree Requirements:**

General Education Courses

Major Courses

Art Electives

Entrepreneurship Minor for Non-business majors

**Student Learning Outcomes**

The graduate from this program will have demonstrated that they can:

1. Create works of art applying the principles of design, using visual elements in two and three dimensions; with a high degree of craftsmanship. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and VI.)
2. Demonstrate a broad understanding of art history by evaluating the art historical context of their work and the work of others through critical analysis. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, VI and VII.)
3. Work independently and as part of a team to resolve a variety of visual and technical problems including creative solutions to art exhibitions and events. (This learning outcome directly addresses Institutional Learning Outcomes II, III, V, and VII.)
4. Apply knowledge and skills from a variety of sources to their own creative work. (This learning outcome directly addresses Institutional Learning Outcomes I, VI, and VII.)

5. Produce work that embodies a structured set of artistic and intellectually unified goals. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)

**ART ENTREPRENEURSHIP MAJOR**

The following is required as part of General Education: ECON 201.

Majors in Art Entrepreneurship also must complete the Entrepreneurship for non-business students minor (21 credit hours). Students must earn a grade of "C" or higher in all required courses for this program.

**Requirements****Art Core Courses**

ART 122	Two-Dimensional Design	3
ART 124	Three-Dimensional Design	3
ART 130	Drawing I	3
ART 210	Art History I Or	3
ART 211	Art History II Or	3
ART 310	Modern Art History	3
ART 311	Professional Practices	3
ART 410	Senior Exhibition	2
		<b>Subtotal: 17</b>

**Internships/Service Learning and Art History**

ART 297	Art Internship, Externship, Cooperative Education Two Gallery Credits Required	1-6
ART 312	Contemporary Art History	3
ART 495	Service Learning Two Credits Required Or	1-6
ART 497	Art Internship, Externship, Cooperative Education Two Credits Required Or	1-6
GDES 497	Graphic Design Internship, Externship, Cooperative Education Two credits required for Graphic Arts Track	1-6
		<b>Subtotal: 7</b>

**SELECT EITHER FINE ARTS OR GRAPHIC  
ARTS TRACK****Fine Arts Track**

ART 220	Painting I	3
ART 225	Water Media I	3
ART 230	Drawing II	3
ART 250	Ceramics I	3
ART 270	Printmaking I	3
ART 280	Photography I	3
	Electives at 300/400 level	3
		<b>Subtotal: 21</b>

Any 300 level or above in Art to meet the institutional policy requiring a minimum of 32 credits toward the baccalaureate degree be earned at the 300-400 level. 120 credit hours are required of a baccalaureate degree. Students choosing the Fine Arts Track are encouraged to choose one medium to take additional 300 level courses and above to fulfill the 120 credit hours.

**Subtotal: 45**

#### Graphic Arts Track

ART 270	Printmaking I	3
ART 280	Photography I	3
GDES 241	Graphic Design I	3
GDES 250	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

**Subtotal: 22**

Students will need to take additional courses to fulfill the 120 credit hours required of a baccalaureate degree. With the Graphic Arts Track students will meet the institutional 32 credit hours needed at the 300-400 level.

**Subtotal: 46**

A Bachelor of Science degree in Art Entrepreneurship requires General Education, the major, the Entrepreneurship for non-business students minor to equal a minimum of 120 semester hours.

## ART MINOR

### REQUIREMENTS

Students must earn a grade of "C" or better in all required art courses in this program.

#### Courses

ART 122	Two-Dimensional Design	3
ART 124	Three-Dimensional Design	3
ART 130	Drawing I	3
ART 230	Drawing II	3
ART 210	Art History I	3
	Or	
ART 211	Art History II	3
	Or	
ART 310	Modern Art History	3
ART 311	Professional Practices	3
ART 411	Senior Exhibition	1
	Electives	5

Electives may include any art course including Art Gallery Internship or Service Learning or in Theatre or Graphic Design.

**Total Credit Hours: 24**

## COMMUNICATION

The Dickinson State University Communication program provides instruction which will lead to careers in secondary education, 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

### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirement  
Electives

### 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.)
5. 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

#### Communication Major

Students must earn a grade of "C" or higher in all required courses in this program.

COMM 100	Orientation to Communication Studies	1
COMM 210	Advanced Public Speaking	3
COMM 211	Oral Interpretation	3
COMM 216	Intercultural Communication	3
COMM 280	Understanding Film and Television	3

COMM 308	Argumentation	3
COMM 312	Interpersonal Communication	3
COMM 313	Persuasion	3
COMM 317	Organizational and Group Communication	3
COMM 320	Contemporary Communication	3
COMM 411	Professional Practices and Portfolio	3
COMM 497	Communication Internship, Externship, Cooperative Education Three Credits Required	1-6
	Electives	6

Select additional COMM courses numbered above 200.

**Total Credit Hours: 40**

## COMMUNICATION MINOR

### REQUIREMENTS

Students must earn a grade of "C" or higher in all required courses in this program.

#### Courses

COMM 211	Oral Interpretation	3
COMM 216	Intercultural Communication	3
COMM 280	Understanding Film and Television	3
COMM 312	Interpersonal Communication	3
COMM 313	Persuasion	3
COMM 320	Contemporary Communication	3
	Electives	6

Electives: Select additional COMM numbered above 200

Electives from GDES, ENTR, THEA will be considered with the consent of the advisor and Department Chair

**Total Credit Hours: 24**

## 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, III, and VI.)
7. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)

## GRAPHIC DESIGN MINOR

### REQUIREMENTS

#### Courses

ART 122	Two-Dimensional Design	3
ART 280	Photography I	3
GDES 241	Graphic Design I	3
GDES 250	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 Two Credits Required	1-6
ENGL 213	Literary Publications	3

**Total Credit Hours: 27**

## GRAPHIC DESIGN CERTIFICATE

Certificate available online

### REQUIREMENTS

#### Courses

ART 122	Two-Dimensional Design	3
ART 281	Introduction to Digital Photography	3
GDES 241	Graphic Design I	3
GDES 250	Typography	3

GDES 347 Web Design 3

Art 122 Two-Dimensional Design is offered through Lake Region State College online.

**Total Credit Hours: 15**

## 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](http://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. Each number listed under applied music represents a level of study with specific requirements. Each level may be repeated until the student is recommended for advancement by the instructor. Music majors and minors are given preference in the scheduling of applied lessons, but non-music majors may also register for applied lessons with the permission of the instructor and the Chairman of the Department of Fine and Performing Arts (special fees apply). MUSC 140/MUSC 240/MUSC 340/MUSC 440 Chorale and/or MUSC 141/MUSC 241/MUSC 341/MUSC 441 Concert Band are co-requisites with applied lessons. Non-music majors taking applied lessons are 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, every student 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.

### 300 Level Requirements

Students may register for applied lessons at the 300 level after:

1. At least two semesters of applied lessons at the 200 level with an average grade of 2.5.
2. Receiving permission from their applied instructor.
3. Passing the Piano Proficiency Examination.
4. 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 study 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 service 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 300 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.

**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 189/MUSC 289/MUSC 389/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)

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  
Professional Secondary Education

**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 - Introduction to World Music satisfies Group III-A

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 189, 289, 389, 489	
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	
MUSC 326	Music History and Literature I	3
MUSC 327	Music History and Literature II	3

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
<b>Subtotal:</b>		<b>12</b>

**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
<b>Subtotal:</b>		<b>10</b>

**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	4
<b>Subtotal:</b>		<b>25</b>

All courses in the major must be passed with a grade of "C" or better.

**Total Credit Hours: 59-74**

**BACHELOR OF ARTS DEGREE - MUSIC**

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 300 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 300 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 200 - Introduction to World Music - 3 credits  
(Satisfies Group III-A and Group V)

Chorale or Concert Band satisfies Group III-C - 3 credits

**Music Major Courses**

	MUSC 189, 289, 389, 489	
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	
MUSC 326	Music History and Literature I	3
MUSC 327	Music History and Literature II	3
	Applied Music	7
	Primary Large Ensemble	7
	Electives in Music	7
	Small Ensemble	1
	Recital	1

**Total Credit Hours: 51****MUSIC MINOR****REQUIREMENTS**

The following is required as part of general education:

MUSC 200 - Introduction to World Music - 3 credits  
(Satisfies Group III-A and Group V)

Chorale or Concert Band satisfies Group III-C - 3 credits

**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 326	Music History and Literature I	3
MUSC 327	Music History and Literature II	3
	Ensembles	5
	Applied Music	4

**Total Credit Hours: 25****THEATRE**

The Dickinson State University Theatre program provides instruction that leads to excellent problem solving and people skills and careers in the professional world, or graduate school. The program is committed to a curriculum program that combines both traditional coursework and co-curricular production opportunities. In addition, the program serves the general education needs of the University with fundamentals courses and promotes the understanding and appreciation of theatre on campus, in the community, and in the region.

Bachelor of Arts degree requires General Education, 8 credits of foreign language, the major, a minor and electives to equal 120 semester hours.

**BACHELOR OF ARTS DEGREE - THEATRE****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
COMM 280	Understanding Film and Television	3
THEA 110	Introduction to Theatre Arts	3
THEA 161	Acting I	3
THEA 100	Production Workshop Or	1
THEA 200	Production Workshop Or	1
THEA 300	Production Workshop Or	1
THEA 400	Production Workshop Three Production Workshop Credits Required	1
THEA 201	Theatre Practicum Or	1
THEA 301	Theatre Practicum Three Practicum Credits Required	1
THEA 210	Movement for the Theatre	1
THEA 222	Stage Makeup	1
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 Two Credits Required	2-4
THEA 491	Theatre Seminar Three Credits Required	1-6

Electives 3

Electives: Select from any COMM or THEA courses numbered above 200.

**Total Credit Hours: 43**

## **THEATRE MINOR**

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### **REQUIREMENTS**

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#### **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 261	Acting II	3
THEA 270	Stagecraft	3
THEA 350	Theatre History	3
	Electives	3

Electives: Select from any THEA courses numbered above 200.

**Total Credit Hours: 24**

## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

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

#### **Faculty**

Full-time Faculty: O'Donnell – Chair, Daniel, Kreidt, Leno, Miller, Moody, Stanton, 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. 29) or Exercise Science (p. 29) 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.

#### **Majors**

Bachelor of Science in Education - Physical Education (K-12)

Bachelor of Science in Exercise Science (Professional Track)

Bachelor of Science in Exercise Science (Sports Management Track)

#### **Minors**

Coaching  
Exercise Science  
Physical Education

### **BACHELOR OF SCIENCE IN EDUCATION DEGREE - PHYSICAL EDUCATION (K-12)**

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#### **Degree Requirements:**

General Education Courses  
Major Courses  
Teacher Education Professional 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: SKILLFULNESS 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.

EDUC 390E	Health Education Methods	2
EDUC 390P	Methods of Teaching K-12 Physical Education	3
HPER 100	Concepts of Fitness and Wellness	2
HPER 120	Swimming	1
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	Survey of Human Anatomy	4
HPER 217	Personal and Community Health	2
HPER 216	Skill Themes and Movement Concepts for Elementary School	3
HPER 220	Teaching Social, Folk and Square Dance	2
HPER 240	Principles of Human Nutrition	3
HPER 320	Teaching Weight Training	2
HPER 328	Biomechanics	3
HPER 328L	Biomechanics Lab	1
HPER 360	Adapted Physical Education	2
HPER 380	Teaching Individual and Dual Activities	3
HPER 385	Teaching Team Sports	2
HPER 410	Psychology and Sociology of Sport and Exercise	2
HPER 420	Organization and Administration of Physical Education	2
HPER 430	Measurement and Evaluation	2
HPER 432	Physiology of Exercise	3
PSYC 240	Human Sexuality	3

NOTE: A Bachelor of Science in Education degree requires General Education, the major courses listed above, Professional Secondary Education (which serves as part of the major).

In addition to completing the Secondary Professional Education Sequence, students must also complete EDUC 298 – Pre-Professional Experience: Elementary.

**Total Credit Hours: 53**

**BACHELOR OF SCIENCE DEGREE - EXERCISE SCIENCE****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

### 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>

### Professional Track Major Courses

BIOL 151	General Biology II	3
BIOL 151L	General Biology II Lab	1
BIOL 221	Anatomy and Physiology II and Lab	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	1
HPER 435	Advanced Exercise Science	4
MATH 305	Probability and Statistics	4
PHYS 211	College Physics I	3
PHYS 211L	College Physics I Lab	1
BIOL 494	Independent Study, Undergraduate Research Or	1-6
HPER 494	Independent Study, Undergraduate Research Four Credits Required	1-6

**Subtotal: 34**

## SPORTS MANAGEMENT TRACK

### 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 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab Or	1
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 241	Introduction to Exercise Science	3
BIOL 220	Anatomy and Physiology I and Lab Or	4
HPER 215	Survey of Human Anatomy	4
HPER 240	Principles of Human Nutrition	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>

### Sports Management Track Major 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
ECON 202	Principles Of Macro-Economics	3
ENTR 366	Entrepreneurship	3

HPER 217	Personal and Community Health	2
HPER 360	Adapted Physical Education	2
HPER 420	Organization and Administration of Physical Education	2
HPER 497	Internship Six Credits Required	1-6
MRKT 301	Principles of Marketing	3
PSYC 353	Adolescent Psychology	3
		<b>Subtotal: 42</b>

## **PHYSICAL EDUCATION MINOR - ELEMENTARY OR SECONDARY EDUCATION**

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### **REQUIREMENTS**

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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 120	Swimming	1
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	Survey of Human Anatomy	4
HPER 216	Skill Themes and Movement	3
HPER 220	Concepts for Elementary School Teaching Social, Folk and Square Dance	2
HPER 320	Teaching Weight Training	2
HPER 360	Adapted Physical Education	2
HPER 380	Teaching Individual and Dual Activities	3
HPER 385	Teaching Team Sports	2
HPER 420	Organization and Administration of Physical Education	2

**Total Credit Hours: 32**

## **COACHING MINOR**

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### **REQUIREMENTS**

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#### **Courses**

HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid and CPR	1
HPER 215	Survey of Human Anatomy	4
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

**Select two courses from the following:**

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**

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### **REQUIREMENTS**

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#### **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	Survey of Human Anatomy	4
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 LANGUAGE AND LITERATURE

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### **College of Arts and Sciences**

The Department of Language and Literature offers major degree programs in English, English Education and Spanish. The department also offers minors in English, Writing, and Spanish.

### **Faculty**

Full-time Faculty: McBee – Chair, Barnhart, Carlson McGoey, Hirth, McGoey, Moberg, Robinson, and Stevier-Johanson.

### **Mission**

Language and Literature provides high-quality courses and programs that contribute to the quality of life for the citizens of Southwestern North Dakota and the students and members of the Dickinson State University community. Our courses and programs represent the heart of a liberal arts education, providing students with fundamental skills of reading, writing, and thinking considered essential to a well-rounded education. With small class sizes and accessible faculty and staff committed to excellence in teaching and learning, our courses in the general education program develop student competencies in inquiry and analysis, knowledge of human cultures, and social and cultural interaction through the humanities. Our upper level coursework develops students' information and cultural literacy and produces critical and creative thinkers, life-long learners, and thoughtful citizens of a global community.

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

By completing the designated courses for English (p. 29) or Spanish (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 your program plan. Course descriptions will also identify courses that are part of the writing program.

### **Department**

Language and Literature courses form a cornerstone of Dickinson State University's liberal arts education. These general education, elective, and program courses achieve the following outcomes:

1. Enable students to read, write, speak, and think critically and imaginatively as citizens of a global community.
2. Develop knowledge of the arts and humanities through the appreciation of literature and literary culture.
3. Enhance students' understanding of the languages and cultures that contribute to a diverse society and a multicultural world.

Each degree program offers a sequence and range of courses to provide students with the knowledge and skills

for satisfying careers and experiences in literature, writing, and modern languages (Spanish). In addition, Language and Literature supports a variety of co-curricular and extra-curricular activities to enhance our students' course of study: a literary magazine, a literary speakers series, a humanities festival, an undergraduate English conference, internships and collaborative writing opportunities, learning communities, and collaborative research projects. Student Learning Outcomes and curriculum requirements for the department's degree programs are described in the following sections.

Students seeking degrees in English and English Education are strongly encouraged to take courses developing their cultural literacy. Especially recommended are courses in British and American history; world civilization, philosophy, and religion; and language arts such as oral interpretation, speech, communications, journalism and theater.

### **Majors**

Bachelor of Science in Education - English Education  
Bachelor of Arts in English

Tracks:  
Creative Writing  
Literature

Bachelor of Arts in Spanish

### **Minors**

English  
Writing  
Spanish

**Bachelor of Arts degrees** offered by Language and Literature require completion of general education program requirements, major and minor requirements, and 16 hours of a foreign language.

**Bachelor of Science in Education** degrees offered by Language and Literature require completion of general education program requirements, major requirements, and secondary education program requirements.

## **ENGLISH**

### **BACHELOR OF SCIENCE IN EDUCATION DEGREE - ENGLISH EDUCATION**

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#### **Degree Requirements:**

General Education Courses  
Major Courses  
Professional Secondary Education  
*Degree available in Bismarck*

#### **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 program requirements, a student will have the ability to:

1. Analyze texts and their component parts, recognizing relevant ideas, concepts, theories, or practical approaches evident in the text and its historical context. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and VI.)
2. Recognize and evaluate different methodologies and critical approaches to texts that demonstrate understanding of their social, historical, cultural, and current contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI, and VII.)
3. Apply different methodologies and critical approaches to texts and formulate a research question and write an analysis that interprets a text or to argue an issue from the appropriate social, historical, cultural, and current contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, II, VI, and VII.)
4. Locate and evaluate appropriate primary and secondary resources from a variety of formats, ethically using them to analyze texts, methodologies, and their contexts. (This learning outcome directly addresses Institutional Learning Outcomes II, V, and VI.)
5. Edit and proofread drafts and master the current standards of English grammar and style within a given rhetorical situation. (This learning outcome directly addresses Institutional Learning Outcomes III, and VI.)
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

In order to graduate, student must achieve a grade of "C" or better in all major and minor courses taken in fulfillment of a Language and Literature degree or minor. Students must also achieve a "C" or better in ENGL 110 - Composition I and ENGL 120 - Composition II.

ENGL 240	Masterpieces of World Literature	3
ENGL 250	Masterpieces of British Literature	3
ENGL 260	Masterpieces of American Literature	3
ENGL 280	Sophomore Project	1
ENGL 305	Writing About 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
ENGL 480	Senior Project	1

SEED 490L	Methods of Teaching Secondary Language Arts	3
SEED 490K	Methods of Teaching Secondary Communication	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 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 one of the following:

One additional ENGL course 200 or higher	3
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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.

**Total Credit Hours: 41**

## BACHELOR OF ARTS DEGREE - ENGLISH

### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirements  
Electives

**Degree available in Bismarck**

### 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

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.

### Requirements

ENGL 210	College Composition III	3
ENGL 211	Introduction to Creative Writing	3
ENGL 280	Sophomore Project	1
ENGL 305	Writing About Literature	3
ENGL 480	Senior Project	1

### Select one of the following:

ENGL 315	Structure and History of English	3
ENGL 320	Modern Grammar	3

### Select one of the following:

ENGL 288	Collaborative Writing and Special Projects	1-6
ENGL 488	Collaborative Writing and Special Projects Three Credits Required	1-6

**Subtotal: 17**

## SELECT EITHER CREATIVE WRITING OR LITERATURE TRACK

### CREATIVE WRITING TRACK

#### Courses

ENGL 213	Literary Publications	3
ENGL 310	Advanced Creative Writing	3
ENGL 497	English Internship, Externship, Cooperative Education Three Credits Required	1-6

Select one ENGL literature course 3  
**Subtotal: 12**

#### Select three of the following courses:

ART 122	Two-Dimensional Design	3
ART 130	Drawing I	3
ART 280	Photography I	3
ART 281	Introduction to Digital Photography	3
ART 380	Photography II	3
COMM 380	Video Production	3
GDES 250	Typography	3
GDES 347	Web Design	3

**Subtotal: 9**

#### Select two of the following:

Additional ENGL literature courses 6  
**Subtotal: 44**

### LITERATURE TRACK

#### Courses

ENGL 240	Masterpieces of World Literature	3
ENGL 250	Masterpieces of British Literature	3
ENGL 260	Masterpieces of American Literature	3
ENGL 440	Literary Criticism	3

**Subtotal: 12**

#### Select one of the following:

ENGL 350	Studies in American Literature	3
ENGL 355	Studies in Major American Writers	3

**Subtotal: 3**

#### Select one of the following:

ENGL 360	Studies in Drama	3
ENGL 370	Studies in Fiction	3
ENGL 380	Studies in Poetry	3

**Subtotal: 3**

#### Select two 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

**Subtotal: 6**

**Total Credit Hours: 41**

**ENGLISH MINOR****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.

**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 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
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**Total Credit Hours: 24****WRITING MINOR****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.

**Courses**

ENGL 210	College Composition III	3
ENGL 211	Introduction to Creative Writing	3
ENGL 213	Literary Publications	3
ENGL 310	Advanced Creative Writing	3
GDES 343	Graphic Design III	3
	Select one ENGL literature course	3

**Subtotal: 18****Select three of the following courses:**

ART 122	Two-Dimensional Design	3
ART 130	Drawing I	3
ART 280	Photography I	3
ART 281	Introduction to Digital Photography	3
ART 380	Photography II	3
COMM 380	Video Production	3

GDES 250	Typography	
GDES 347	Web Design	3
	Select one additional ENGL literature course	3

**Subtotal: 9****Total Credit Hours: 27****SPANISH**

The BA Spanish program requires students to achieve proficiency in speaking, listening comprehension, reading, and writing Spanish and to develop awareness and understanding of the Spanish-speaking world. Through the study of grammar, literature, history, geography, and culture, students are prepared to be successful in whichever employment field they chose. Employment in Spanish includes teaching at all levels, government work at numerous agencies, translation and/or interpretation, travel and tourism, media in journalism, advertising, publishing, film etc., the Armed Forces, and international business, among others.

Students are also encouraged to travel to Spanish-speaking countries to hone their skills, test their knowledge, and gain confidence in their abilities.

Many students have had a background in Spanish in high school. As a general rule, students with two years of Spanish study in high school can be successful in their college studies starting in the first semester of the second year (SPAN 201). Students with three or four years of Spanish study in high school may be successful starting in the second semester of the second year (SPAN 202). The DSU Testing Center, part of the Academic Success Center, provides a Spanish placement exam for students to help them determine, in consultation with the course instructor, which course would be most appropriate. Heritage speakers are encouraged to speak with the instructor about placement. Those students wishing to enroll in courses above the 101-level due to prior experience may request a prerequisite waiver in consultation with the instructor.

Those students may be enrolled as follows:

Enroll in SPAN 102, SPAN 201, SPAN 202. Students may pay a recording fee to transcript all or some of the waived 4, 8 or 12 credits respectively, if they pass with a B or better.

Enroll in SPAN 321. Native speakers and those with extensive experience abroad are strongly encouraged to enroll in SPAN 321. Students may pay a recording fee to transcript all or some of the waived 16 lower-division credits, if they pass with a B or better.

Students who have taken and posted credit from one of the two approved proficiency exams, should start at the next appropriate level.

If students with a Major or Minor in Spanish elect not to transcript waived lower-division credits, they must still complete the required number of credits for their Major or Minor. They must consult with the Spanish course instructor for possible substitutions.

Also, students must still complete the minimum credit hours to graduate.

## BACHELOR OF ARTS DEGREE - SPANISH

### Degree Requirements:

General Education Courses

Major Courses

Minor Courses

Electives

### Student Learning Outcomes

Students who attain a B.A. in Spanish will:

1. Communicate effectively in Spanish in a variety of **speaking** situations. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
2. Communicate effectively in Spanish with proficient **writing**. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
3. Demonstrate comprehension of Spanish in a variety of **listening** situations. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and VI.)
4. Demonstrate comprehension of **reading** a wide range of Spanish materials. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)
5. Demonstrate a clear understanding of the **cultures** of the Spanish-speaking world. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V, and VI.)

## 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.

### Spanish Major Courses

SPAN 101	First Year Spanish I	4
SPAN 102	First Year Spanish II	4
SPAN 201	Second Year Spanish I	4
SPAN 202	Second Year Spanish II	4
SPAN 321	Advanced Spanish	3
SPAN 350	Hispanic Civilization and Culture	2
SPAN 425	Hispanic Literature	3
SPAN 440	Senior Conversation and Composition	3
SPAN 480	Senior Project	1
SPAN 499	Special Topics In Spanish Three Credits Required	1-6

### Select one of the following:

	SPAN 296, 496 - Study Tours	2
	SPAN 295, 495 - Service Learning	2
	SPAN 297, 497 - Spanish Internship, Externship, Cooperative Education	2
SPAN 494	Independent Study, Undergraduate Research	1-6

**Total Credit Hours: 33**

## SPANISH MINOR

### 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.

### Courses

SPAN 101	First Year Spanish I	4
SPAN 102	First Year Spanish II	4
SPAN 201	Second Year Spanish I	4
SPAN 202	Second Year Spanish II	4
SPAN 321	Advanced Spanish	3
SPAN 350	Hispanic Civilization and Culture	2

### Select one of the following courses:

SPAN 425	Hispanic Literature	3
SPAN 440	Senior Conversation and Composition	3
SPAN 499	Special Topics In Spanish Three Credits Required	1-6

**Total Credit Hours: 24**

# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

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## College of Arts and Sciences

### Faculty

Full-time Faculty: Harris - Chair, Berg, Chen, Egli, Fike, Johnson, Johanson, Olsen, Watson

### 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. 30), Computer Science (p. 30), or Computer Technology Management (p. 31) 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.

### Majors

Bachelor of Science in Education - Mathematics Education  
 Bachelor of Science in Mathematics  
 Bachelor of Science in Computer Science  
 Bachelor of Science Computer Technology Management  
 Bachelor of Science - Information Analytics

### Minors

Mathematics (Secondary Education)  
 Mathematics  
 Computer Science (Traditional)

### Certificate Programs

Computer Programming  
 Web Management

## MATHEMATICS

### BACHELOR OF SCIENCE IN EDUCATION DEGREE - MATHEMATICS EDUCATION

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#### Degree Requirements:

General Education Courses  
 Major Courses  
 Professional Secondary Education

*Degree available in Bismarck*

### 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 305	Probability and Statistics	4
MATH 326	Abstract Algebra	4
MATH 327	Linear Algebra	3
MATH 338	Geometry for Teachers	2
MATH 339	Topics in Geometry	2
MATH 377	Teaching Mathematics in the Middle Grades	3
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

#### Required in other areas:

CSCI 120	Computer Programming I	3
SEED 390X	Teaching Secondary School Mathematics	3

#### Select 3-4 credits from the following electives:

MATH 266	Introduction to Differential Equations	4
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	Recommended if seeking a masters degree in Mathematics	
	Or	
MATH 365	Vector Calculus	3
	Or	
MATH 493	Peer Tutoring	1-6
	Up to three credits in degree program; no more than two credits will be awarded in one semester	

**Total Credit Hours: 56-57**

## BACHELOR OF SCIENCE DEGREE - MATHEMATICS

### Degree Requirements:

General Education Courses

Major Courses

Minor Courses

Electives

**Degree Available in Bismarck**

### 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 365	Vector Calculus	3
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: 45**

## MATHEMATICS EDUCATION MINOR - SECONDARY EDUCATION

### 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

### 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

Electives - (Mathematics courses numbered above MATH 208 except MATH 277 - Mathematics for Elementary Teachers or MATH 377 - Mathematics for Secondary Education).

**Total Credit Hours: 26**

## COMPUTER SCIENCE

## BACHELOR OF SCIENCE DEGREE - COMPUTER SCIENCE

### Degree Requirements:

General Education Courses

Major Courses

Electives

*Degree available in Bismarck*

### 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 Three Credits Required	1-6
MATH 165	Calculus I	4
MATH 208	Discrete Mathematics	3

**Total Credit Hours: 65-66**

## BACHELOR OF SCIENCE DEGREE - COMPUTER TECHNOLOGY MANAGEMENT

### Degree Requirements:

General Education Courses  
Major Courses  
Electives  
*Degree available in Bismarck*

### 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 and Social Networking	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	3

**Total Credit Hours: 60**

## BACHELOR OF SCIENCE - INFORMATION ANALYTICS

### Degree Requirements:

General Education Courses  
Major Courses  
Electives  
*Degree available in Bismarck*

### 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

Select three additional credit hours other than CSCI 101 or CSCI 120

**Total Credit Hours: 65-66**

## COMPUTER SCIENCE MINOR - TRADITIONAL

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
MATH 208	Discrete Mathematics	3

**Total Credit Hours: 28**

## COMPUTER PROGRAMMING CERTIFICATE

### 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

### 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: C. Brevik and C. Whippo – Co-Chairs, P. Barnhart, E. Brevik, C. Burgess, K. Ogawa, K. Pierce, J. Steffan

### 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. 31) 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.

### Majors

Bachelor of Science in Education - Biology Education

Bachelor of Science in Biology

Options:

Cellular and Molecular Biology

Organismal Biology

Pre-Medical Science

Pre-Physical Therapy

Pre-Veterinary Science

Bachelor of Science in Education - Chemistry Education

Bachelor of Science in Chemistry

Option:

Geology

Bachelor of Science in Education - Composite Science Education

Tracks:

Biology

Earth Science

Bachelor of Science in Environmental Health

Bachelor of Science in Environmental Science

Tracks:

Policy

Science

### Minors

Biology

Chemistry

Earth Science

### Certificate Program

Physical Science

### Guidelines from accrediting agencies and professional societies are used in designing programs and courses:

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.

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.

### 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).

Another course that may be counted as a biology elective is Biochemistry (CHEM 360). However, if it is counted as a biology elective it cannot also be counted as a chemistry elective.

## BIOLOGY

### BACHELOR OF SCIENCE IN EDUCATION DEGREE - BIOLOGY EDUCATION

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#### Degree Requirements:

General Education Courses

Major Courses

#### 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

### 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
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SCNC 389	Scientific Writings and Readings	2
SEED 490S	Secondary Education Science Methods	3

#### Required in other areas:

EM 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

**Total Credit Hours 74-76**

## 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 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 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**

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**

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**

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 114	Introduction to Animal Science	3
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**

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**

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 252	University Physics II	4

**Subtotal: 40-42****Total Credit Hours: 83-87**

## BIOLOGY MINOR

### REQUIREMENTS

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.

#### 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

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.

**Total Credit Hours: 35**

## CHEMISTRY

### BACHELOR OF SCIENCE IN EDUCATION DEGREE - CHEMISTRY EDUCATION

#### Degree Requirements:

General Education Courses  
Major Courses  
Professional Secondary Education 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 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****Total Credit Hours: 66**

## BACHELOR OF SCIENCE DEGREE - CHEMISTRY

### Degree Requirements:

General Education Courses

Major Courses

Minor Courses - Optional

### 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 Major Courses

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.

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 335	Analytical Instrumentation	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 470	Spectroscopy	3
CHEM 490	Chemistry Research II	1
CHEM 491	Chemistry Seminar	1-6
	One Credit Required	

**Subtotal: 45**

### Required in other areas:

MATH 165	Calculus I	4
MATH 166	Calculus II	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
SCNC 291	Sophomore Science Seminar	1
SCNC 389	Scientific Writings and Readings	2
	<b>Subtotal:</b>	<b>21</b>

**Total Credit Hours: 66**

## BACHELOR OF SCIENCE DEGREE - CHEMISTRY (GEOLOGY OPTION)

### Degree Requirements:

General Education Courses

Major Courses

Minor Courses – Optional

### Student Learning Outcomes

A student successfully completing the above major 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 II, III and VII.)
5. Demonstrate awareness of chemistry issues in the global system. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V, VI and VII.)

## REQUIREMENTS

### Chemistry Major Courses Geology Option

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.

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 335	Analytical Instrumentation	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 470	Spectroscopy	3

CHEM 490	Chemistry Research II	1
CHEM 491	Chemistry Seminar One Credit Required	1-6
		<b>Subtotal: 45</b>

**Required in other areas:**

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
MATH 165	Calculus I	4
MATH 166	Calculus II	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
SCNC 291	Sophomore Science Seminar	1
SCNC 389	Scientific Writings and Readings	2
		<b>Subtotal: 35</b>
		<b>Total Credit Hours: 80</b>

**CHEMISTRY MINOR****REQUIREMENTS**

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.

**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: 27</b>

**COMPOSITE SCIENCE****BACHELOR OF SCIENCE IN  
EDUCATION DEGREE - COMPOSITE  
SCIENCE EDUCATION (BIOLOGY  
TRACK)****Degree Requirements:**

General Education Courses

Major Courses

Professional Secondary Education Courses

**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.

**Secondary Education**

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
	And	
BIOL 170L	General Zoology Lab	1
	Or	
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

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.

**Total Credit Hours: 71-73**

## **BACHELOR OF SCIENCE IN EDUCATION DEGREE - COMPOSITE SCIENCE EDUCATION (EARTH SCIENCE TRACK)**

### **Degree Requirements:**

General Education Courses

Major Courses

Professional Secondary 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

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.

**Total Credit Hours: 73-75**

## EARTH SCIENCE

### EARTH SCIENCE MINOR

#### 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 Three to Six Credits Allowed	1-6
GIS 380	Applied Arc GIS	3
SOIL 444	Soil Genesis and Survey	4

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.

**Total Credit Hours: 25-26**

## ENVIRONMENTAL HEALTH

### BACHELOR OF SCIENCE DEGREE - ENVIRONMENTAL HEALTH

#### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses – Optional

#### Student Learning Outcomes

A student successfully completing the above major will be able to:

1. Integrate knowledge from all of the natural sciences to understand the application of Environmental Health to public health. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, V, VI, and VII.)
2. Analyze problems in Environmental Health and disease prevention and apply the solutions to improving the health of the public. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, V, VI and VII.)
3. Accurately communicate public health and scientific ideas in written and oral form. (This learning outcome directly addresses Institutional Learning Outcomes III and VII.)
4. Communicate health and wellness knowledge and apply this knowledge to the public. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III IV, V, VI and VII.)
5. Integrate global public health issues and problems with Environmental Health solutions. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, V, VI and VII.)

#### REQUIREMENTS

##### Biology Major Courses Environmental Health

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 Or	1
BIOL 300	Environmental Biology	3
BIOL 305	General Microbiology	4
BIOL 306	Radiation Health	2
BIOL 325	Environmental Health Techniques	4
BIOL 345	Parasitology	4
BIOL 350	Solid and Hazardous Wastes	3
BIOL 355	Environmental Toxicology	3
BIOL 360	Water and Wastewater	3
BIOL 375	Environmental Economics, Law and Public Policy	3
BIOL 405	Biometry	3
BIOL 450	Epidemiology	3
BIOL 491A	Environmental Health Seminar	2
BIOL 297	Biology Internship, Externship, Cooperative Education Or	1-6
BIOL 497	Biology Internship, Externship, Cooperative Education Five Credits Required	1-6

SCNC 291	Sophomore Science Seminar	1
SCNC 389	Scientific Writings and Readings	2
<b>Required in other areas:</b>		
CHEM 116	Introduction to Organic and Biochemistry	3
CHEM 116L	Introduction to Organic & Biochemistry 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 320	Hydrogeology	3
MATH 103	College Algebra	4
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
SOIL 210	Introduction to Soil Science	4

**Total Credit Hours: 78-79**

## 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 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 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
		<b>Subtotal: 41-42</b>

### SELECT EITHER POLICY OR SCIENCE TRACK

#### Policy Track Requirements

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
		<b>Subtotal: 30</b>

#### Policy Track Electives

Take an additional 9 semester hours from the following:

COMM 410	Public Relations	3
GEOL 320	Hydrogeology	3
GIS 210	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**

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 336	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**

## CERTIFICATE

### PHYSICAL SCIENCE CERTIFICATE

#### 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

This certificate program will only be offered during Fall semesters, as that is when all the required courses are taught.

**Total Credit Hours: 15**

## DEPARTMENT OF NURSING

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

#### Faculty

Full-time Faculty: Lantz – Chair, Bachamp, Berger, Bren, Charchenko, Lunde, Meyer, 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. 32) 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.

#### Majors

Associate in Applied Science in Practical Nursing Program (AASP/N)

Semester credit hours: 66

Enrollment limited to 43 students

Bachelor of Science in Nursing Completion Program (BSN)

Semester credit hours: 126

Enrollment limited to 32 students

Online ADRN to BSN Completion Program

Semester credit hours: 124

Enrollment limited to 10 students

#### ACCREDITATION COMMISSION FOR EDUCATION IN NURSING (ACEN)

The AASP/N and BSN programs are fully accredited by ACEN. Their address is: 3343 Peachtree Road NE, Suite 850, Atlanta, Georgia, 30326. Their phone number is: 1-404-975-5000. Their website can be found at [www.acenursing.org](http://www.acenursing.org)

#### NORTH DAKOTA BOARD OF NURSING

The AASP/N 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. Their website can be found at [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 receive a copy upon request. **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 for obtaining clearance for students partaking in clinical at various healthcare facilities. 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 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.
  - 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.
  - 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 43.
- Applications received after the deadline will be considered on a space available basis.

### **Additional Admission Requirements for Permanent Residents and International Applicants**

An applicant whose native language is not English\* is required to demonstrate proficiency in the English Language. The TOEFL (Test of English as a Foreign Language) is the official DSU English Language Proficiency exam and results of this test determine a student's eligibility for AASPN or BSN Program admission consideration.

All permanent residents and international students applying for admission to the nursing program must:

1. be admitted to Dickinson State University;
2. complete the TOEFL exam if you have not already done so; and
3. complete an AASPN or BSN Program application.

Minimum TOEFL scores are required for all students in the respective content areas of Listening ( $\geq 22$ ), Reading ( $\geq 22$ ), Speaking ( $\geq 26$ ) and Writing ( $\geq 24$ ).

- As per Central Intelligence Agency (CIA) Fact Book at [www.cia.gov](http://www.cia.gov).

### **Vocational LPNs seeking admission to the second year of the AASPN Program must meet the admission and selection criteria for the AASPN 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 AASPN 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 AASPN 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 AASPN 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 AASPN program pending space availability. Upon graduating with the AASPN degree, the graduate is again eligible to take the NCLEX-PN exam.

**ASP/AASPN LPNs, ASN-RNs, or ADN-RNs seeking an ALTERNATE ADMISSION OPTION to the BSN Program (Nurses with  $\geq 2.33$  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, Childbearing and Care of the Child). Prospective students must work as a licensed nurse prior to completing the exams.
3. Successfully passed the NLN NACE I PN-RN Exams (Foundations of Nursing, Childbearing and Care of the Child). A minimum score of 70% (total decision score) is required on the Foundations of Nursing exam and a minimum combined average score of 62% on the Childbearing and Care of the Child exams.
  - 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.
  - 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 2.33 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/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 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. 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.

**BACHELOR OF SCIENCE IN NURSING COMPLETION PROGRAM ADMISSION REQUIREMENTS** ASPN-LPNs, AASPN-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.

*ASPN/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.*

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.

### ONLINE ADRN TO BSN COMPLETION PROGRAM

**ADMISSION REQUIREMENTS** Associate Degree Registered Nurses seeking admission to BSN Program must submit:

1. Verifiable evidence of unencumbered RN license (or evidence of pending licensure). This includes states where licensed and licensure type for verification on NURSUS.
2. Official transcripts of previous vocational/college/university education to the Department of Nursing. These official records must show evidence of the following:
  - a. a minimum 2.50 cumulative college/university GPA.
  - b. a minimum 2.50 cumulative nursing GPA.
  - c. a minimum grade of "C" (2.00) in all prerequisite courses which includes all ADRN courses (or equivalent) of BIOL 111A - Concepts of Biology, 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.

*ADRN, ADN-RN and diploma RN graduates may be admitted to the Online ADRN - 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 Online ADRN to BSN Completion Program.*

3. A completed North Dakota University System application to Dickinson State University (available online).
4. A completed *Online ADRN to BSN Completion Program* application to the Department of Nursing (available online or the application can be printed 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 Online ADRN to BSN Completion 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 forms.
- Enrollment is limited to 10.
- Applications received after the deadline will be considered on a space available basis.

## **ASSOCIATE IN APPLIED SCIENCE DEGREE - PRACTICAL NURSING**

### **END OF PROGRAM STUDENT LEARNING OUTCOMES (EPSLOs)**

1. **Professionalism:** Demonstrate professional behaviors of accountability and professionalism according to the legal and ethical standards for a competent licensed practical nurse. As measured according to these subcompetencies: Accountability, Motivation and Personal Appearance.

2. **Communication:** Effectively communicate with patients, significant support person(s), and members of the interdisciplinary health care team incorporating interpersonal and therapeutic communication skills. As measured according to these subcompetencies: Confidentiality, Verbal, Nonverbal, Written, and Information Technology.

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. As measured according to these subcompetencies: Nursing Diagnosis, Goals and Outcomes, Interventions, Rationale and Evaluation.

5. **Caring Interventions:** Demonstrates a caring and empathic approach to applying safe, therapeutic, and individualized care of each client. As measured according to these subcompetencies: Safety, Infection Control, Basic Care and Comfort, Skills, Organization, Medication Administration, Collaborates with Health Care Team, Assessing Learning Needs, Dignity and Cultural Sensitivity.

6. **Managing:** Manages care through the processes of planning, organizing and directing. As measured according to these subcompetencies: Delegation and Accountability.

### **Degree Requirements: AASPN Major Courses**

The AASPN Curriculum requires specific general education course requirements. 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 115	Introductory Chemistry	3
CHEM 115L	Introductory Chemistry Lab	1
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
NURS 240	Fundamentals of Nutrition	2
PSYC 111	Introduction to Psychology	3

Select one course from the following:

SOC 110	Introduction to Sociology	3
	OR	
SOC 115	Social Problems	3
	MEETS General Education Elective Requirement	

**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	1
NURS 298A	Psychiatric/Mental Health Nursing Clinical	1
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.

A cumulative and nursing GPA of 2.25 or higher are required for graduation with the AASPN degree.

**Total Credit Hours: 66**

## BACHELOR OF SCIENCE IN NURSING COMPLETION PROGRAM

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### PROGRAM OUTCOMES

Upon completion of the program, the graduate:

1. Provides care independently to stable and unstable individuals, families, communities and populations with complex health needs.
2. Coordinates and leads in the promotion of health and the provision of care as a member of the health care team.
3. Demonstrates mastery of entry level RN competencies: communication, therapeutic nursing interventions and critical thinking.
4. Has met the requirements needed to complete the baccalaureate degree and is prepared to write the NCLEX-RN licensure examination.

### 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 after the course. 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 MEETS Group I-C General Education Requirement	3
CSCI 101	Introduction To Computers MEETS Group II-A General Education Requirement	3
	Elective (II-B)	3
	Elective (III-A)	3
	Elective (III-B)	3
	Elective (III-D)	3
MATH 103	College Algebra MEETS Group III-C General Education Requirement	4

**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.

May substitute MATH 107 - Pre-calculus; MATH 165 - Calculus I; or MATH 305 - Probability and Statistics for MATH 103 - College Algebra.

AASPN PROGRAM CURRICULUM REQUIREMENTS:  
66

BSN PROGRAM CURRICULUM REQUIREMENTS: 60

TOTAL BSN CREDIT HOURS: 126

A cumulative and nursing GPA OF 2.50 or higher are required for graduation with the BSN degree.

## ONLINE ADRN TO BSN COMPLETION PROGRAM

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### PROGRAM OUTCOMES

Upon completion of the program, the graduate:

1. Provides care independently to stable and unstable individuals, families, communities and populations with complex health needs.
2. Coordinates and leads in the promotion of health and the provision of care as a member of the health care team.
3. Demonstrates mastery of entry level RN competencies: communication, therapeutic nursing interventions and critical thinking.
4. Has met the requirements needed to complete the baccalaureate degree and is prepared to write the NCLEX-RN licensure examination.

### Degree Requirements: ADRN to BSN Major Courses

The ADRN to BSN Completion Program includes and builds upon the general education, interdisciplinary and nursing course requirements of the student's prior ADRN, ADN-RN and/or Diploma Program. The category of the General Education requirement is indicated after the course. 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 MEETS Group I-C General Education Requirement	3
CSCI 101	Introduction To Computers MEETS Group II-A General Education Requirement	3
	Elective (II-B)	3
	Elective (III-A)	3
	Elective (III-B)	3
	Elective (III-D)	3
MATH 103	College Algebra MEETS Group III-C General Education Requirement	4

**Subtotal: 22****Interdisciplinary Course Requirements**

CHEM 111	Fundamentals of Chemistry	3
CHEM 111L	Fundamentals of Chemistry Lab	1
BIOL 357	Pathophysiology	3

**Subtotal: 7****Nursing Course Requirements**

NURS 328	Nursing Role Transition	2
NURS 321	Health Assessment	2
NURS 398A	Health Assessment Clinical	1
NURS 330	Nursing Research	2
NURS 398B	Clinical Concepts I	3
NURS 331	Community Health I	2
NURS 425	Nursing Leadership & Management	3
NURS 436	Advanced Concepts Across the Lifespan	4
NURS 498A	Clinical Concepts II	3
NURS 431	Community Health II	3
NURS 498B	Clinical Concepts III	4

**Subtotal: 29**

A cumulative and nursing GPA of 2.50 or higher are required for graduation with the BSN degree.

May substitute MATH 107 - Pre-calculus; MATH 165 - Calculus I; or MATH 305 - Probability and Statistics for MATH 103 - College Algebra.

ONLINE ADRN TO BSN CURRICULUM  
REQUIREMENTS: 58

PRIOR ADRN TO BSN CREDIT HOURS: 66

TOTAL ADRN TO BSN CREDIT HOURS: 124

## DEPARTMENT OF SOCIAL SCIENCE

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### ***College of Arts and Sciences***

#### **Faculty**

Full-time Faculty: Doherty - Chair, Cummisk, Hale, Karie, Meier, Renner, Varney, D. Whippo, 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. 32) 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.

#### **Majors**

Bachelor of Science in Education - Composite Social Science Education (Secondary Education)

Bachelor of Arts - Composite Social Science

Bachelor of Arts - Composite Social Science (Criminal Justice Track)

Bachelor of Science in Education - History Education

Bachelor of Arts in History

Bachelor of Arts in Political Science

Options:

International Relations

Pre-Law

Bachelor of Science in Psychology

Social Work Transfer Curriculum (Minot State University Linkage Program)

#### **Minors**

Social Science

Sociology Minor

History Education (Secondary)

History (Elementary or Non-Teaching)

Geography Minor (Secondary)

Geography Minor (Elementary or Non-Teaching)

Political Science

Psychology

#### **Certificate Program**

Licensed Addiction Counselor - Pending SBHE approval

## SOCIAL SCIENCES

### BACHELOR OF SCIENCE IN EDUCATION DEGREE - COMPOSITE SOCIAL SCIENCE EDUCATION

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#### Degree Requirements:

General Education Courses  
Major Courses  
Professional Secondary Education

#### Degree available in Bismarck

#### 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

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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 105	Elements Of Economics	3
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 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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**Total Credit Hours: 72**

### BACHELOR OF ARTS DEGREE - COMPOSITE SOCIAL SCIENCE

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#### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirement  
Electives

#### Degree available in Bismarck

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.

- 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.
- 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.
- 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 ARTS DEGREE - COMPOSITE SOCIAL SCIENCE (CRIMINAL JUSTICE TRACK)

### Objectives

The Composite Social Science Criminal Justice Track is designed for those students who wish to pursue a course of study specific to their interests in criminal justice. The course of study provides academic preparation for students who are interested in private or public service careers in areas such as law, law enforcement, customs, corrections, and security.

## Student Learning Outcomes

Composite social science criminal justice track graduates will:

- Analyze, interpret, and use data and information in learning and in research. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
- 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.)
- 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.)
- 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.)
- 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.)
- 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

### Composite Social Science - Criminal Justice Track Major Courses

POLS 115	American Government	3
POLS 365	United States Supreme Court and the Constitution	3
POLS 432	Public Policy	3
PSYC 111	Introduction to Psychology	3
PSYC 370	Abnormal Psychology	3
SOC 110	Introduction to Sociology	3
SOC 115	Social Problems	3
SOC 253	Juvenile Delinquency	3
SOC 320	Deviant Behavior	3
SOC 385	Criminology	3
	Social Science Electives (Political Science, Social Work, Sociology (300-400))	15

### Students must complete one of the following courses:

POLS 201	The Criminal Justice System	3
SOC 225	The Criminal Justice System	3

### Students must complete one of the following courses:

POLS 325	Research Methods	3
SOC 325	Research Methods	3

**Students must complete one of the following courses (6 credits):**

POLS 497	Political Science Internship, Externship, Cooperative Education	1-6
SOC 497	Sociology Internship, Externship, Cooperative Education	1-6

**Total Credit Hours: 57****SOCIAL SCIENCE MINOR -  
ELEMENTARY EDUCATION OR NON-TEACHING****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****REQUIREMENTS****Courses**

SOC 110	Introduction to Sociology	3
SOC 115	Social Problems	3
SOC 325	Research Methods	3

SOC 491	Seminar In Sociology	1-6
	Three Credits Required	

	Sociology Electives (300-400)	12
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**Total Credit Hours: 24****HISTORY****BACHELOR OF SCIENCE IN  
EDUCATION DEGREE - HISTORY  
EDUCATION****Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses  
Professional Secondary Education

**Degree available in Bismarck****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	1-6
	Three Credits Required	

	History Electives (300-400)	12
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**Students must select one of the following areas of study (12 credits):****Economics:**

ECON 105	Elements Of Economics	3
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
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**Total Credit Hours: 45****BACHELOR OF ARTS DEGREE - HISTORY****Degree Requirements:**

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirement  
Electives

**Degree available in Bismarck****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****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 Required	

SEED 490D	Methods of Teaching Social Science	3
	History Electives (300-400)	6

**Total Credit Hours: 24****HISTORY MINOR - ELEMENTARY EDUCATION OR NON-TEACHING****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**

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

### 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

#### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Foreign Language Requirements  
Electives

#### 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	4
	Electives in Political Science (300-400)	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
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Political Science Elective (300-400)	3
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**Subtotal: 37**

**Total Credit Hours: 71**

## POLITICAL SCIENCE MINOR

### 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
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Political Science Electives (300-400)	9
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**Total Credit Hours: 24**

## PSYCHOLOGY

### BACHELOR OF SCIENCE DEGREE - PSYCHOLOGY

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#### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Electives

#### Student Learning Outcomes

The Student Learning Outcomes for the Psychology Program address seven categories of importance to the disciplinary field:

##### 1. History and Future

Graduates of the Psychology Program will

1. Describe the historical development of major theories in the field of psychology and use this understanding to guide career decisions and facilitate effective civic engagement. (This Learning outcome directly addresses Institutional Learning Outcomes I, II, III V, VI, and VII.)

##### II. Critical Thinking and Research

Graduates of the Psychology Program will

2. Demonstrate competence in basic research techniques, including critical thinking and decision making, use of APA writing and ethical guidelines, and display of transferable skills such as those for group presentations, writing, and project development. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

##### III. Developmental Psychology

Graduates of the Psychology Program will

3. Describe key lifespan theories and apply this knowledge to self-understanding, other-understanding, and professional settings. (This learning outcome directly addresses Institutional Learning Outcome I, II, III, IV, V, and VI.)

##### IV. Psychopathology

Graduates of the Psychology Program will

4. Summarize the characteristics and etiologies of the major psychopathologies in psychology. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI.)

##### V. Personality Theories

Graduates of the Psychology Program will

5. Describe, integrate, and analyze major theories of personality and apply them in leadership and interactive experiences. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

##### VI. Social and health Psychology

Graduates of the Psychology Program will

6. Describe the effects of social, health, diversity, and environmental factors on individual behavior and safety decisions. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, and VI.)

##### VII. Biological Psychology

Graduates of the Psychology Program will

7. Describe and analyze the biological basis of behavior. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, VI, and VII.)

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.

## REQUIREMENTS

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### Basic Core Requirements for Psychology Major

PSYC 111	Introduction to Psychology	3
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 497	Psychology Internship, Externship, Cooperative Education Three Credits Required	3
SCNC 389	Scientific Writings and Readings	2

### Select six 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

**Total Credit Hours: 47**

## PSYCHOLOGY MINOR - ELEMENTARY EDUCATION, SECONDARY EDUCATION OR NON-TEACHING

### REQUIREMENTS

#### Courses

PSYC 111 Introduction to Psychology 3

#### 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**

### SOCIAL WORK TRANSFER CURRICULUM

Dickinson State University offers introductory courses in Social Work. We have agreements with other schools for completion of the BSSW degree. At Dickinson State University, students may complete general education requirements and four introductory courses in social work (SWK 250, SWK 256, SWK 330). Students may transfer to other universities to complete the balance of the social work major. Students may contact the Department of Social Sciences for additional information.

Students will need to apply to the University of their choice for admission to the social work major once general education requirements have been completed.

Students must be accepted into the social work program at the school of their choice. Admission to the major is limited and some students may not be accepted. While the specific courses are usually transferable to other

accredited social work majors at other universities, this cannot be guaranteed.

### Student Learning Outcomes

Social work graduates will:

1. Demonstrate critical thinking skills by being able to make professional decisions regarding social work situations and scenarios. (This learning outcome directly addresses Institutional Learning Outcome II.)
2. Demonstrate skills in the effective use of current technologies and other information resources as well as be able to obtain information, research, resources and articles related to social work. (This learning outcome directly addresses Institutional Learning Outcome III.)
3. Demonstrate knowledge of national and international multiculturalism and the importance of global citizenship, as well as evaluate the social work profession with regard to ethnicity, pluralism, diversity and cultural issues. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
4. Demonstrate knowledge of social work as it relates to the arts and humanities. (This learning outcome directly addresses Institutional Learning Outcome I.)
5. Demonstrate discipline-specific knowledge and develop a framework that can be used to integrate the concepts relevant to understanding social work. (This learning outcome directly addresses Institutional Learning Outcome VI.)
6. Demonstrate knowledge of health, wellness and maintaining a healthy lifestyle, as well as appreciate the balancing of individual and societal responsibilities with regard to helping others. (This learning outcome directly addresses Institutional Learning Outcome IV.)

### Social Work Transfer Curriculum

#### General Education Requirements at DSU:

BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
COMM 110	Fundamentals Of Public Speaking	3
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
ENGL 220	Introduction to Literature	3
HIST 103	United States To 1877	3
	Or	
HIST 104	United States Since 1877	3
HPER 100	Concepts of Fitness and Wellness	2
MATH 103	College Algebra	4
PHIL 101	Introduction To Philosophy	3
PSYC 111	Introduction to Psychology	3
SOC 110	Introduction to Sociology	3

#### Extra-Departmental Requirements at DSU:

ECON 105	Elements Of Economics	3
ENGL 300	Technical Writing	3
MATH 305	Probability and Statistics	4
POLS 115	American Government	3
PSYC 370	Abnormal Psychology	3
SOC 325	Research Methods	3
SWK 381	Cultural Diversity	3

**Social Work Courses at DSU:**

	50 hours volunteer community service recommended	
SWK 250	Interpersonal Skills	3
SWK 255	Social Work in a Modern Society	3
SWK 256	Development of Social Welfare	3
SWK 330	Human Behavior and the Social Environment	3

Dickinson State University's Social Work Linkage Program with Minot State University allows students to be well prepared to enter the final two years of the college career in Minot. The courses listed within the DSU catalogue have been carefully matched with the core requirements expected of students seeking admission to the Minot State University program for a degree in Social Work. Given periodic up-dates in program and licensure requirements, students are strongly encouraged to consult Minot State University's most recent catalogue. Additionally, students approaching the start of their second year should contact the Minot State University's Social Work Program Director with any questions they may have regarding their formal admission to the Minot State University program.

**Total Credit Hours: 68**

# DEPARTMENT OF TEACHER EDUCATION

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

### **Faculty**

Full-time Faculty: Secord -Chair, Hoffman, Krueger, Lund, McCoy, Moberg, Moench

### **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. 33) 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 National Council for Accreditation of Teacher Education (NCATE) under the umbrella of 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, a result of the merger of NCATE and the Teacher Education Accreditation Council (TEAC).

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. As an "Option Two" state, North Dakota aligns its standards through ESPB with the NCATE and CAEP standards.

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, located in May Hall Room 119, is an integral part of the Department of Teacher Education. The Center is a member of the North Dakota Teacher Center Network and provides professional development opportunities for P-12 teachers, administrators, and support staff in eight counties of Southwestern North Dakota. It also serves as a valuable resource for Dickinson State University students in the Teacher Education Program.

Services provided by the Center include staff development programs; resource materials; distance learning; graduate credit courses; assistance in facilitating state and federal programs and grants; updates on accreditation changes; curriculum enhancement; guest speakers; conferences and festivals for students; newsletters; and referral services.

The West River Teacher Center curriculum and resource collection contains a variety of print materials, videotapes, computer software, and learning kits that are available for checkout by Center members. All students in the Teacher Education Program are members of the West River Teacher Center.

### **Majors and Minor**

#### **Majors**

- Bachelor of Science in Education in Elementary Education
- Concentrations: Reading, Early Childhood Education
- Bachelor of Science in Education in Technology Education (a cooperative major with Valley City State University)

#### **Minor**

- Technology Education

#### **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 Department of Teacher 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;
- Completion of EDUC 298: Pre-Professional Field Experience with a minimum grade of C;
- Completion of EDUC 210: Educational Technology 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 and EDUC 298;
- Approval of the Chair of the Department of Teacher Education; and
- Approval of the Teacher Education Council.

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 will 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 Department of Teacher Education will be removed from the program and must reapply to be reinstated.

Candidates can apply for readmission only once.

## PRAXIS EXAMS

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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

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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

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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 to a faculty team the semester prior to pre-service teaching. The faculty team includes (1) the candidate's advisor and (2) a member of the Teacher Education Program faculty. This oral presentation is evaluated using the Portfolio Review Rubric, posted with other program information on the Department of Teacher Education Web

site. During the portfolio review, the faculty evaluation team determines the candidate's readiness for pre-service teaching and at that time either recommends or denies the candidate's application to pre-service teach.

## FINAL PORTFOLIO REVIEW

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After completion of the pre-service 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 PRE-SERVICE TEACHING

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All education candidates must complete a full-time, fourteen-week pre-service teaching experience.

Admission requirements for Pre-Service 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 will make final decisions regarding admission to Pre-Service 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 Department of Teacher Education Web site.

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - ELEMENTARY EDUCATION

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

## 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
SOC 110	Introduction to Sociology	3

#### Critical and Creative Thinking

ART 122	Two-Dimensional Design	3
BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
HIST 103	United States To 1877	3

HIST 211	World Civilizations To 1500	3
MATH 103	College Algebra	4
MUSC 110	Foundations of Music	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

**Subtotal: 46**

### Elementary Education Major Courses

#### Pre-Professional Courses:

BIOL 111	Concepts of Biology	3
BIOL 111L	Concepts of Biology Lab	1
EDUC 210	Educational Technology	2
EDUC 250	Introduction to Education	3
EDUC 298	Pre-Professional Field Experience	1
ELED 238	Children's Literature	3
PSYC 250	Developmental Psychology	3
GEOL 105	Physical Geology Or	3
GEOL 106	The Earth Through Time	3
GEOL 105L	Physical Geology Lab Or	1
GEOL 106L	The Earth Through Time Lab	1
PHYS 110	Introductory Astronomy	3
PHYS 110L	Introductory Astronomy Lab	1
SCNC 105	Physical Science	3
SCNC 105L	Physical Science Lab	1

EDUC 210 and EDUC 298 must be taken in conjunction with EDUC 250.

### Professional Courses in Elementary Methods Block - Fall

ELED 281	Reading for the Elementary Teacher	3
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	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.

#### Additional Professional Courses:

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity	3
EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
EDUC 350	Portfolio Preparation	1
EDUC 360	Managing the Learning Environment	3
EDUC 398D	Diversity and Exceptionalities Field Experience	1
EDUC 405	Educational Psychology and Evaluation	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

EDUC 280, 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 (15 credits):

Select one (ELED 498K requires prior completion of coursework for early childhood concentration):

ELED 498A	Teaching in the Elementary School	15
ELED 498K	Teaching in Elementary and Early Childhood Classrooms	15

**Subtotal: 92**

All professional courses have a prerequisite of admission to Teacher Education

### 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 Department of Teacher 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 Department of Teacher 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
<b>Select two courses from the following: (6 credits)</b>		
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
		<b>Subtotal: 20</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 128 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 210	Educational Technology	2
EDUC 250	Introduction to Education	3
EDUC 298	Pre-Professional Field Experience	1
PSYC 353	Adolescent Psychology	3

EDUC 210 and EDUC 298 must be taken in conjunction with EDUC 250.

#### Professional Courses in Secondary Methods Block (must be taken concurrently):

SEED 300	Secondary Curriculum and Effective Teaching	3
SEED 370	Reading in the Content Areas	3
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) 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
SEED 390M	Secondary Instrumental Music Methods	3
SEED 390P	Methods of Teaching Secondary Physical Education	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
SEED 490T	Methods of Teaching Secondary Theatre Arts	3
TECH 411	Curriculum and Methods	2

#### Additional Professional Courses:

EDUC 280	Education of Exceptional Learners	3
EDUC 300	Teaching For Diversity	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 and Evaluation	3
EDUC 305	Philosophy and Curriculum of Middle School	2
EDUC 310	Methods of Teaching in Middle School	2
ELED 383	Diagnosis and Correction of Reading Disabilities	2
	And	
ELED 484	Practicum in Reading	1
	Or	
ENGL 382	Adolescent Literature	3

EDUC 280, EDUC 300, and EDUC 398D must be taken concurrently.

EDUC 350 is taken the same semester as one's application to pre-service teach.

Must take EITHER the co-requisite courses ELED 383 and ELED 484 OR the course ENGL 382.

#### Pre-Service Teaching Semester:

SEED 498	Teaching in the Secondary School	15
		<b>Subtotal: 53</b>

All professional courses have a prerequisite of admission to Teacher Education.

## BACHELOR OF SCIENCE IN EDUCATION DEGREE - TECHNOLOGY EDUCATION

### Degree Requirements:

General Education Courses

Major Courses

Minor Courses

Secondary Professional Education Courses

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.

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
STEM ED 310	Design, Technology, and Engineering for Elementary	2
STEM ED 310L	Design, Technology, and Engineering for Elementary 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 342	Building Math	3
TECH 371	Technology Systems	2
TECH 371L	Technology Systems Lab	1
STEM ED 411	STEM Curriculum and Methods	3
TECH 416	Innovations in Technology	2
TECH 416L	Innovations in Technology Lab	1
STEM ED 431	Design for Engineering	2
STEM ED 431L	Design for Engineering Lab	1
STEM ED 450	Engineering the Future	3

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:

TECH 300	3D Modeling and Design	2
TECH 300L	3D Modeling and Design Lab	1
STEM ED 355	STEM Curriculum and Elementary Methods	3
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

**Total Credit Hours: 39**

## 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 431L	Design for Engineering Lab	1
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

Courses in Business, Computer Information Systems, Computer Science, Mathematics, Science, Instructional Technology, or Elementary Education may be included with approval of the advisor.

**Total Credit Hours: 24**

## 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 Graduate Studies Coordinator (voting), faculty holding associate graduate faculty status (non-voting), and the Provost/Vice President for Academic Affairs (non-voting).

The Graduate Studies Coordinator 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 Council represents Graduate Faculty members.

#### The Graduate Council

The Graduate Council shall include the following voting (full) graduate faculty members: two from education, two at large and the Graduate Studies Coordinator.

The Faculty Senate will select members of the Graduate Council. Members will be selected every two years, with staggering terms for representatives from the Department of Teacher Education 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.

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:

- recommend addition or termination of courses and program concentrations,
- determine standards and policies for selection and evaluation of graduate faculty and graduate instruction
- determine standards and policies for selection, retention, and graduation of graduate students
- act upon appeal by petition of graduate standards and policies by faculty and students
- and assure uniform application of the standards and policies.

#### 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 Graduate Studies Coordinator 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 Graduate Studies Coordinator a recommendation for continuance or discontinuance of full graduate faculty status. Course evaluation is the responsibility of the Graduate Studies Coordinator 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, 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 Graduate Studies Coordinator 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 Graduate Studies Coordinator 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 Graduate Studies Coordinator 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) of all previous undergraduate and graduate records must be received by the Admissions Office before the application is considered complete.
4. A written statement of professional goals in light of applicant's philosophy including a description of applicant's preparation in the field of education.

#### 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.
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 the Worldwide Education Services (WES) organization or Foreign Credentials Services of America (FCSA) to have the course descriptions evaluated. The Registrar's Office will then receive the information to better evaluate what credits will transfer
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 Graduate Studies Coordinator, 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 Graduate Studies Coordinator in consultation with the program faculty. Application for admission should be made to the DSU Admissions Office. The denial appeal process is described in the undergraduate handbook for Teacher Education.

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 this status will be granted by the Office of the Graduate Studies.

Faculty make recommendations on all applications, and the final admission decision is the responsibility of the Graduate Studies Coordinator.

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), the Praxis II - Principles of Learning and Teaching, or National Teaching Board for Professional Standards. 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.

2. The department faculty may make a recommendation to the Graduate Studies Coordinator for Provisional Admission. Accompanying for the recommendation must be 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 letter 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:

1. Completed application.
2. The applicant must hold a bachelor degree from a regionally accredited institution
3. Applicants must pay the \$35.00 application processing fee. The fee may be paid in-person or online.
4. 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
5. The applicant must be approved by Graduate Studies Coordinator.

Students in this category are advised by the Graduate Studies Coordinator 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 subsequent term submitting a new application to the Admissions Office 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 Graduate Studies Coordinator.

### 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, Graduate Studies Coordinator, and advisor of any changes in student information or intentions.

Student 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 adviser, other students, and the program of study. The following policies support this goal. Any deviation must be appealed by a petition submitted to the Graduate Studies Coordinator.

#### Credit

The maximum per semester credit limit for a graduate student is 9 semester hours for fall and spring, and 6 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 adviser and Graduate Studies Coordinator 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 Graduate Studies Coordinator. 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. Continuous enrollment credit does not count toward graduation requirements.

Minimum registration: Unless on approved Leave of Absence, 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.

### Leave of Absence

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 to the master's degree.

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 Graduate Studies Coordinator 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. 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 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 adviser and the Graduate Studies Coordinator and acted on by the Graduate Council.

All graduate degrees must require a minimum of 32 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 32 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 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, and other program concentration requirements.

### 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 Graduate Studies Coordinator. The Graduate Studies Coordinator 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 Graduate Studies Coordinator and be submitted through the advisor. The Graduate Studies Coordinator 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 3 graduate credits during the semester or summer session 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's 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.

### GRADUATE STUDIES COURSES:

EDUC 501	Educational Foundations	3
EDUC 511	Cultural Diversity in a Complex World	3
EDUC 513	Literacy in the Content Areas	2
EDUC 514	Content Area Teaching Strategies	2
EDUC 515	Childhood and Adolescent Psychology	3
EDUC 520	Theory and Practice of Classroom Management	3
EDUC 521	Curriculum Design, Delivery and Assessment	3
EDUC 531	Educational Research	3
EDUC 541	Integrating Technology into the Learning Environment	3
EDUC 575	Student Teaching Internship	6
EDUC 585	Action Research	3
EDUC 2000	Continuing Education	0-6

### MASTER OF ARTS IN TEACHING

#### 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 531	Educational Research	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  
**Subtotal: 6**

**Subtotal: 34**

See link below to current course rotation:

[www.dickinsonstate.edu/academics/fields-of-study/graduate-studies/teacher-education-graduate-courses/](http://www.dickinsonstate.edu/academics/fields-of-study/graduate-studies/teacher-education-graduate-courses/)

## 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. 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 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 Academic Success 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 graded.

#### 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 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. 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. Prerequisite: ACCT 332 - Intermediate Accounting II. 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 422 - Business Valuation (3)**

An introduction to Business Valuation concepts. Will include the basic principles and techniques employed by business valuation specialists. Prerequisite: FIN 326 - Managerial Finance.

**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 Academic Success 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 graded.

**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 (1-6)**

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. S/U grading only.

**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. Course fee required.

**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, and 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. Course fee required.

**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 374 - Cooperatives (3)**

Theory, practice, and evaluation of cooperatives including principles, management, marketing, finance, taxes, legal issues, and adjusting to change. Spring, odd years. This course is offered on a contractual basis with North Dakota State University through Interactive Video Network (IVN).

**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: AGEC 244 -

Introduction to Agricultural Marketing. Spring. Course fee required.

### **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: ECON 201 - Principles of Microeconomics and ECON 202 - Principles of Macroeconomics. 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. Course fee required.

## **AGRI - AGRICULTURE**

### **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. Course fee required.

### **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 Academic Success 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 graded.

### **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. Course fee required.

### **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 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.)

#### **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 graded.

#### **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. Course fee required.

#### **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. Course fee required.

#### **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. Course fee required.

**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. Fall. 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. Course fee required.

**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. Course fee required.

**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. Spring. Course fee required.

**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. Course fee required.

**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). Course fee required.

**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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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 and Spring. Course fee required.

**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. This course is rotated in sequence with ART 211 - Art History II in Spring semesters.

**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. This course is rotated in sequence with ART 210 - Art History I in Spring semesters.

**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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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 Academic Success 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 graded.

**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 the beginnings of impressionism in the 19th century Europe through the European and American art movements up to 1970. 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. This course is rotated in sequence with ART 312 - Contemporary Art History in Fall semesters.

**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, residencies 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 312 - Contemporary Art History (3)**

This course focuses on art from the 1970's to the present day with an emphasis on the cross-cultural development of styles and their growth as a reflection of socio-economic, political, and religious influences. 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. This course is rotated in sequence with ART 310 - Modern Art History in Fall semesters.

**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. Course fee required.

**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. Course fee required.

**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. Prerequisites: 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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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 and Spring. Course fee required.

**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. Course fee required.

### **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. Course fee required.

### **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. Prerequisite: 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 and Spring. Course fee required.

### **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. Prerequisite: 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 Academic Success 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 graded.

**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 that 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. Offered on demand. 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.

**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. Course fee required for ART 499.

**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. Course fee required.

**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. Course fee required.

**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 Academic Success 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 graded.

**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. No prerequisite. Fall and Spring.

**BADM 330 - Business Challenge (College) (3)**

Business Challenge provides unique teamwork and networking opportunities to help upper-level students gain practical hands-on management experience. During a rigorous week-long study with real-life applications, students build skills in entrepreneurship, leadership, teambuilding, time management, critical thinking, and ethics. Students will assist a business leader from North Dakota and run a simulated company. Summer.

**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 364 - Electronic Commerce and Social Networking (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. Spring.

**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: 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 (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. Prerequisites: MATH 305 - Probability and Statistics, BADM 336 - Management and Leadership. 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. Prerequisite: BADM 336 - Management and Leadership.

**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. Prerequisites: 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. Prerequisites: 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. Prerequisite: 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. Prerequisites: 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. Prerequisites: BADM 336 - Management and Leadership. Business Administration majors must complete all Pre-Major courses with a "C" or better.

### **BADM 466 - Business Research (3)**

Marketing Research will expose students to principles of research, design, sampling, data collection, data analysis, and prosperity. It will include actual research projects by student teams. Prerequisite: MRKT 301 - Principles of Marketing and MATH 305 - Probability and Statistics.

### **BADM 480 - Seminar in Human Resource Issues (3)**

Introduces concepts involved in the most current research in the human resources field, including strategic management, workforce planning and employment, human resource development, compensation and

benefits, employee and labor relations and occupational safety and health. Prerequisites: 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 Academic Success 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 graded.

### **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 (1-6)**

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. Prerequisites: Must be a Junior/Senior business student. Student Internship Application approval by department chair is required. Business Administration majors must complete all Pre-Major courses with a "C" or better. S/U grading only. Fall, Spring, Summer.

**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.

**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. Letter grade. 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 111L - Concepts of Biology Lab (1)**

Laboratory to accompany BIOL 111 - Concepts of Biology. Broadly designed to emphasize life's diversity and processes. Co-requisite: BIOL 111L - Concepts of Biology. Fall, Spring, Summer (on demand). Course fee required.

**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. Spring.

**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. Letter Grade. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring. Course fee required.

**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. Course fee required.

**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. Co-requisite: BIOL 170L - General Zoology Lab. Prerequisites: BIOL 150/BIOL 150L - General Biology I and Lab, BIOL 151/BIOL 151L - General Biology II and 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. Course fee required.

**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 150/150L - General Biology I and Lab; CHEM 115/115L - Introductory Chemistry and Lab or CHEM 121/121L - 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. Course fee required.

**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 151/151L - General Biology II and Lab. Fall, 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 Academic Success 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 graded.

**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 300 - Environmental Biology (3)**

A study of the relationship of humans to their environment, including current and future problems in pollution, waste management, energy needs, renewable resources, and population. 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.

**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. Course fee required.

**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. Even years. Course fee required.

### **BIOL 306 - Radiation Health (2)**

An in-depth look at radiation and how it affects human health. Topics include the various forms of radiation, the health effects caused by exposure to radiation, methods used to measure radiation, principles of radiation safety, and sources of radiation in natural and man-made environments. Cross listed as PHYS 306. Prerequisites: CHEM 122/CHEM 122L - General Chemistry II/Lab; 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, odd years.

### **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. Course fees required.

### **BIOL 325 - Environmental Health Techniques (4)**

Utilizing the skills learned in other courses, this course will show how the techniques are used in Environmental Health to meet the requirements of the profession, the laws, regulations and rules of the governing agencies. Hands-on laboratory to reinforce will also teach environmental health techniques. Prerequisites: BIOL 150/BIOL 150L - General Biology I/Lab and BIOL 305 - General Microbiology 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. Course fee required.

### **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. Course fee required.

### **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. Prerequisite: BIOL 170/BIOL

170L - General Zoology and Lab. Fall, even years. Course fee required.

### **BIOL 345 - Parasitology (4)**

Study of the major parasites of humans and animals, their natural history, life cycles, prevention, and controls. Prerequisites: BIOL 150/150L - 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. Spring odd years.

### **BIOL 350 - Solid and Hazardous Wastes (3)**

An examination of the public health, environmental, economic, and materials conservation aspects of solid wastes management; amounts and sources of solid wastes, waste reduction and recycling, methods of storage, transportation and disposal, integrated waste management, identification of present problems and future needs. Characterization of hazardous wastes and introduction to pertinent federal and state regulations. Description of management options at pre-generation, pre-release and post-release stages. Prerequisites: BIOL 150/BIOL 150L - General Biology I/Lab and BIOL 305 - General Microbiology 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.

### **BIOL 355 - Environmental Toxicology (3)**

Examines the mechanism of poisons and pollution in both the environment areas and in organism. Prerequisites: BIOL 150/BIOL 150L - General Biology I/Lab, CHEM 121/CHEM 121L - General Chemistry I/Lab, 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, odd years.

### **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. Prerequisites: BIOL 221 - Anatomy and Physiology II and Lab and CHEM 115/CHEM 115L - Introductory Chemistry and Lab, or equivalent. Fall.

### **BIOL 360 - Water and Wastewater (3)**

Students in this course will study investigative procedures, sampling techniques, analysis and treatment of water and wastewater. Emphasis on water pollution, drinking supplies and quality, on-site wastewater disposal, municipal and industrial wastewater treatment, private wells, and ground water contamination. Case studies will be conducted using federal regulations as a guide. Prerequisites: BIOL 150/BIOL 150L - General Biology I/Lab and BIOL 305 - General Microbiology 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.

**BIOL 370 - Ornithology (4)**

Lectures and labs cover taxonomy, systematics, morphology, physiology, evolution and ecology of birds with a focus on North Dakota resident and migrant species. Prerequisites: BIOL 170/BIOL 170L - General Zoology and Lab or permission of the instructor. Spring, odd years.

**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. Spring, even years. Cross-listed with POLS 375.

**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 385 - Herpetology (3)**

Study of the evolution, ecology, morphology, behavior, and physiology of reptiles and amphibians. Prerequisite: BIOL 170/BIOL 170L - General Zoology/Lab. Fall, even years.

**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 as 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: BIOL 389 - Scientific Writing and Reading and MATH 103 - College Algebra. Spring of odd years.

**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. Fall, odd years. Course fee required.

**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. Course fee required.

**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 151/151L - General Biology II/Lab; BIOL 170/170L - General Zoology/Lab; MATH 305 - Probability and Statistics. Fall, odd years. Course fee required.

**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. 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. Prerequisite: 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. Fall, odd years.

**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. Lab fee required.

**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, odd 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, even years. Course fee required.

**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 as 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. Prerequisite: 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 as SCNC 491.

**BIOL 491A - Environmental Health Seminar (2)**

This course is designed for exploration of specific topics that are not covered in regularly scheduled coursework. This is a capstone course. Restricted to senior environmental health majors. Prerequisites: BIOL 389 - Scientific Writing 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. Spring.

**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 Academic Success 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 graded.

**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 as needed.

### **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. Prerequisites: 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. Prerequisite: CSCI 101 - Introduction to Computers. Fall, 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 Academic Success 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)**

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.

**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 grade 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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## 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. Spring (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. Spring (online). Course fee required.

### **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. Course fee required.

### **CHEM 116 - Introduction to Organic and Biochemistry (3)**

A survey course of organic chemistry and biochemistry. Topics to be covered include chemical bonding, functional groups, organic reactions, biological molecules, and metabolism. Co-requisite: CHEM 116L - Introduction to Organic and Biochemistry Lab. Spring.

### **CHEM 116L - Introduction to Organic & Biochemistry Lab (1)**

Laboratory course to accompany CHEM 116 - Introduction to Organic and Biochemistry. Basic techniques of organic synthesis, purification, and biochemical procedures will be demonstrated. Co-requisite: CHEM 116 - Introduction to Organic and Biochemistry. Spring. Course fee required.

### **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. Course fee required.

### **CHEM 122 - General Chemistry II (4)**

Fundamentals of chemistry including thermodynamics, kinetics, equilibrium, solution behavior, electrochemistry, and an introduction to inorganic chemistry. Prerequisite: CHEM 121/121L - 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. Course fee required.

### **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.

### **CHEM 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 Academic Success Center. (Maximum eight credits may be applied to graduation.)

### **CHEM 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.

### **CHEM 295 - Service Learning (1-6)**

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### **CHEM 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.

**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. Prerequisite: CHEM 122/CHEM 122L - General Chemistry II and Lab.

**CHEM 300 - Environmental Chemistry (1)**

This course covers a wide range of environmental issues such as the greenhouse effect, variations in the ozone layer, the use of pesticides, toxic organic chemicals, air and water pollution. It encourages students to examine and quantify the relationship between chemistry and the environment. Prerequisite: CHEM 122/122L - General Chemistry II/Lab. Offered on demand.

**CHEM 330 - Quantitative Analysis (4)**

Theory and practice of gravimetric, volumetric, chromatographic analysis, and treatment of experimental data. Prerequisite: 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. Course fee required.

**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, odd years. Course fee required.

**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. Course fee required.

**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. Prerequisite: CHEM 341/341L - 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. Course fee required.

**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 as 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 342/342L - 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, even years.

**CHEM 440 - Advanced Organic Chemistry (3)**

Further emphasis on reactivity, mechanisms, and synthesis in organic chemistry. Prerequisites: CHEM 342/342L - Organic Chemistry II and Lab. On demand with sufficient student numbers.

**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. Letter grade. Spring, even years. Lab fee required.

**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, odd 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, odd years. Course fee required.

**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. Prerequisite: MATH 166 - Calculus II, CHEM 461/461L - Physical Chemistry I and Lab. Co-requisite: CHEM 462L - Physical Chemistry II Lab. Spring, even 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, even years. Course fee required.

**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. Course fee required.

**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 as SCNC 490, BIOL 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 Academic Success 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 graded.

**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. Prerequisite: CHEM 122/CHEM 122L - General Chemistry II and Lab.

## COMM - COMMUNICATIONS

### **COMM 100 - Orientation to Communication Studies (1)**

Students will prepare for their study of Communication, including an introduction to the electronic portfolio requirement, develop an understanding of the connection between courses and focus their future career and educational goals. Required the first semester of major declaration. Fall, Spring.

### **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 150 - Forensics Practice (1)**

Applied speaking experience in the competitive setting. May be repeated for a total of six credits. Offered on demand.

### **COMM 201 - Coaching Forensics (2)**

The techniques of coaching individual speech events and managing tournaments in secondary schools are studied. The class assists with an on-campus high school tournament and discusses such issues as recruitment, budget, topic and material choice, the coaching session, and tournament etiquette. Offered on demand.

### **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. On demand.

### **COMM 210 - 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. Spring, odd years.

### **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, Spring.

### **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 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 Academic Success 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 graded.

### **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 312 - 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. 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.

**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 role of group facilitators and officers; and the appropriate use of parliamentary procedures in formal proceedings. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

**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. Spring even years. Prerequisite: COMM 312 - Interpersonal Communication.

**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. Spring, even years. Course fee required.

**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. Prerequisite: COMM 313 - Persuasion. Offered Spring Semesters, odd years.

**COMM 411 - Professional Practices and Portfolio (3)**

This is the Capstone course in Communication. Students will complete and present their electronic portfolio, prepare for career pursuits, explore future educational experiences, and prepare to utilize their education in future endeavors. Students will also take a comprehensive exit examination. It is expected that most of the other Communication major requirements have been completed prior to 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. Spring.

**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)**

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**COMM 493 - Peer Tutoring (1-6)**

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**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)**

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of academic credit will be at the discretion of the appropriate department chair. S/U graded.

### **COMM 496 - Study Tours (1-6)**

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### **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, Spring. Course fee required.

### **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. Prerequisite: CSCI 120 - Computer Programming I or equivalent programming experience, MATH 103 - College Algebra or an equivalent Math Placement Score. Fall, Spring. Course fee required.

### **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. Course fee required.

### **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, Spring.

### **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. Offered on demand. S/U grading only. (Cross-listed with MATH 250.)

### **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 Academic Success 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 graded.

### **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 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 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. Prerequisite: 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 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. Course fee required.

**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. Prerequisites: 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. Prerequisite: 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. Prerequisite: 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 Academic Success 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 graded.

**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.

**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)**

Student 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.)

**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.

**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. Prerequisite: 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. Prerequisite: 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. Prerequisite: Admission to Teacher Education, 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)**

Student 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).

**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 graded.

**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.

**ECON 106 - Global Economics (3)**

This course introduces students to fundamental economic principles, with an emphasis on the world economy. Overview of the world economy; specialization and comparative advantage; influence of the foreign sector on domestic markets; influence of the foreign sector on saving, investment, government spending, taxation, and borrowing. Central bank independence versus regional monetary policy coordination; economic growth, technology, and factor mobility; the political economy, economic systems and economies in transition; international trade policy and regional economic integration; the World Trade Organization (WTO) and trends in international trade; current topics in international economics. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Alternate Spring Semesters.

**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: ECON 201 - Principles of Microeconomics. 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

**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 as needed.

**EDUC 210 - Educational Technology (2)**

This course is an integrated approach to understanding and utilizing educational technology in instructional environments. Students will gain experience with a variety of computer and web applications. They will also explore ethical and appropriate use of applications and the Internet for research and instructional purposes. Emphasis will be placed on determining the purpose of integrated technology in the elementary or secondary classroom setting, identifying appropriate grade-level or content-area technology resources, and making informed and reflective decisions about how to utilize them for facilitating and assessing student learning. Information on teaching and learning online will also be provided. Prior knowledge of computers will be expected. Prerequisites: CSCI 101 - Introduction to Computers. Co-requisites: EDUC 250 - Introduction to Education and EDUC 298 - Pre-Professional Field Experience. Fall, Spring. Course fee required.

**EDUC 250 - Introduction to Education (3)**

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 theme 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 educator. Introduction to Education begins the teacher education sequence and students will apply for provisional admission to teacher education during this course. Co-requisites:

EDUC 298 - Pre-Professional Experience and EDUC 210 - Educational Technology. Fall, Spring.

**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 398D. 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)**

Student 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).

**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 graded.

**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 298 - Pre-Professional Field Experience (1)**

Through structured observations, students taking this course will encounter 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. Co-requisite: EDUC 210 - Educational Technology and EDUC 250 - Introduction to Education. Fall/ Spring.

**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 (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. Prerequisite: Admission to Teacher Education. Co-requisite: EDUC 398D - Diversity and Exceptionalities Field Experience and 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.

**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-requisite: 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 390P - Methods of Teaching Secondary Physical Education, ELED 390H - Teaching Physical Education in the Elementary School and 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. Prerequisites: EDUC 250 - Introduction to Education and HPER 216 - Skill Themes and Movement Concepts for Elementary School. Co-requisites: EDUC 390E - Health Education Methods, SEED 398B -

Secondary Methods Block Field Experience and SEED 398C - Secondary Methods Block Field Experience II. Spring.

**EDUC 398D - Diversity and Exceptionalities Field Experience (1)**

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. Prerequisite: Admission to Teacher Education. Co-requisites: EDUC 300 - Teaching for Diversity; EDUC 280 - Education of Exceptional Learners. Fall/Spring

**EDUC 405 - Educational Psychology and Evaluation (3)**

A study of the applications of psychological theory, testing practices, and evaluation theory to K-12 educational settings. The main goal of educational psychology and evaluation is to help pre-service teachers apply the psychological and educational knowledge base and evaluation procedures in the classroom setting. Special emphasis will be placed on the application of learning theories, theories of development, and principles and procedures of educational testing and evaluation. This course enhances the pre-service teacher's understanding of K-12 learners and the ability to put the theories of educational psychology and evaluation 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 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 Academic Success 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 graded.

**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 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 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 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.

### **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.

### **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 award-winning picture books, novels, poetry, and non-fiction for children, pre-school through elementary grades, their illustrators and authors. 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. Prerequisite: Admission to Teacher Education. Co-requisites: Elementary Methods Block - Fall; ELED 398B -

Methods Block Field Experience I or ELED 398C - Elementary Methods Field Experience II. Fall.

### **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)**

Student 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).

### **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 graded.

**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. Prerequisite: 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. Prerequisites: 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 a child'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 a child to assess, plan, and provide intervention for the identified needs. The culminating activity is a written case-study on the identified child. Prerequisite: Admission to Teacher Education. 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. Prerequisite: Admission to Teacher Education and ART 122 - Two-Dimensional Design; MUSC 110 - Foundations of Music; Co-requisite: Elementary Methods Block - Spring; ELED 398B - Methods Block Field Experience I or ELED 398C Methods Block Field Experience II. Spring. Course fee required.

**ELED 390H - Teaching Physical Education in the Elementary School (2)**

This course serves as a precursor to pre-service teachers who are physical education majors. Areas covered include pedagogy, methodology, curriculum development, classroom observations, assessment, philosophy, reflective decision-making and classroom management. This course also includes peer teaching and development of a unit plan. Prerequisites: Admission to Teacher Education and HPER 216 - Skill Themes Movement Concepts For The Elementary School. Co-requisites: SEED 390P - Methods of Teaching Secondary Physical Education, EDUC 390E - Health Education Methods, SEED 398B - Secondary Methods Field Experience I or SEED 398C - Secondary Methods 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. Prerequisite: 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 (3)**

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. Prerequisite: 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.

**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.

**ELED 484 - Practicum in Reading (1)**

This course is a clinical experience in a school setting. The student will shadow a reading specialist and will work with children who are experiencing difficulties in reading. Students are required to submit final reports 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 Academic Success 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 graded.

### **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 (15)**

Fourteen-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. On-line, Fall; other times as needed.

### **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. Course fee required.

### **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)**

Student 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).

### **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 graded.

**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 - Technical Writing (3)**

Technical Writing is designed for students who desire to expand their writing skills for future careers in writing and business fields. Projects will include writing abstracts and summaries, descriptions, instructions, proposals, and reports. 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. Offered on demand.

**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 is a writing intensive course.

### **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. Prerequisite: 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)**

Student 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).

### **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 graded.

### **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, 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. 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.

## **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 202 - Principles of Macro-Economics and BOTE 247 - Spreadsheet Applications. Fall.

### **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: ACCT 201 - Elements of Accounting II and ECON 202 - Principles of Macro-Economics. Business Administration majors must complete all Pre-Major courses with a "C" or better. Fall, Spring.

**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. Course fee required.

#### **GDES 250 - 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 241 - Graphic Design II or as co-requisite. Fall.

#### **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)**

Student 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).

#### **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 graded.

#### **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.

**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. Spring.

**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. 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)**

Student 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).

**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)**

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**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)**

Student 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).

**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 graded.

**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 as GEOL 311. Prerequisites: GEOL 105/GEOL 105L - Physical Geology/Lab or GEOG 121 - Physical Geography. Fall, odd years. Course fee required.

**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. Cross listed as SCNC 315. 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. Fall, even years.

**GEOG 330 - Physical Geography of North Dakota (3)**

Major landforms, rock formations, fossils, and geologic resources of North Dakota. Field trip required. Cross listed as GEOL 330. Prerequisite: GEOL 105 - Physical Geology, GEOG 121 - Physical Geography, or permission of instructor. 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. Fall (Cross listed with GIS 380). Course fee required.

**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. Cross listed as SOIL 444. Prerequisite: SOIL 210 - Introduction to Soil Science, GEOL 105/GEOL 105L - Physical Geography/Lab or GEOG 121 - Physical Geography. Fall, even years. Course fee required.

**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. Course fee required. (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)**

Student 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).

**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 graded.

**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. Course fee required for GEOG 499.

## GEOL - GEOLOGY

### 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. Course fee required.

### 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)

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### 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)

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### 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. Course fee required.

### 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, even 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)

Student 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).

**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)**

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**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 Academic Success 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 graded.

**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)**

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**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 graded.

**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 210 - 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. Spring. Course fee required.

**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. Course fee required.

**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. Course fee required.

**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. Offered on demand. (Cross listed with GEOG 480). Course fee required.

## H&CE - HUMAN & COMMUNITY EDUCATION

### 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. Course fee required.

## 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. This course is rotated in sequence with ART 211 - Art History II in Spring semesters and cross listed with ART 210.

### 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 origins 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 Academic Success 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 graded.

### 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)**

Research Methods is an introduction to research methods in social and behavioral sciences, including an emphasis on writing, the scientific method, research design, gathering and assessing sources, and analysis of discipline-appropriate strategies. Cross-listed with POLS 325 - Research Methods and SOC 325 - Research Methods. 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 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 war's 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, POLS 115 - American Government. Spring, alternate years. Cross-listed with POLS 365.

**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 Academic Success 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 graded.

### **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 120 - Swimming (1)**

Designed for both the non-swimmer and intermediate level swimmer. The following strokes will be learned or refined: front crawl, sidestroke, elementary backstroke, back crawl, and breaststroke. In addition, basic rescue skills, water survival techniques and fundamental diving skills will be introduced. 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. Course fee required.

**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. Fall/Spring Course fee required.

**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 - Survey of Human Anatomy (4)**

A study of applied human anatomy with emphasis on physical activity. The student will learn basic musculoskeletal function with a focus on skeletal structure, musculature and neurological capabilities. Laboratory exercises are included in this course. The labs, which are designed to complement and reinforce the lecture, will include examination of skeletons, individual bones and computer simulation. Movement of major joints will also be explored. Fall, Spring.

**HPER 216 - Skill Themes and Movement Concepts for Elementary School (3)**

The student will be introduced to skill themes, movement concepts, dance rhythms, and game related activities for the K-6 physical education programs. 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 220 - Teaching Social, Folk and Square Dance (2)**

Provides instruction, practice and teaching experiences in social, folk, square and multi-cultural dance. Emphasis will be placed on methods and techniques of teaching rhythms and dance steps. This course is restricted to sophomore or higher physical education majors or minors. Spring.

**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 Academic Success 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 graded.

**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: HPER 241 - Introduction to Exercise Science, HPER 320 - Teaching Weight Training, HPER 328 - Biomechanics and HPER 328L - Biomechanics 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.

**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 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 380 - Teaching Individual and Dual Activities (3)**

Methods, techniques, and materials for developing skills in teaching archery, racquet sports, bowling, golf, weight training, aquatics, yoga, and aerobic dance. Prerequisites: HPER 216 - Skill Themes and Movement Concepts for the Elementary School; EDUC 250 - Introduction to Education. Fall.

**HPER 385 - Teaching Team Sports (2)**

Methods, techniques, and materials for developing skills in teaching team sports. Prerequisites: HPER 216 - Skill Themes and Movement Concepts for the Elementary School; EDUC 250 - Introduction to Education. 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, HPER 328 - Biomechanics and 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 Academic Success 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 graded.

**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.

**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 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. 1 credit only.

### LEAD 495H-2 - Service Learning Project (1-2)

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. To be completed at any semester during the course of study; 1 - 2 credits at a time. S/U grading.

### 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. Fall.

### 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. Spring, online in the Fall.

### 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.

### 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, Spring.

**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. 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. Spring.

**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 Academic Success 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 graded.

**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.

### **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 365 - Vector Calculus (3)**

Scalar and vector fields, line and surface integrals, cylindrical and spherical coordinates, parametric surfaces, the Jacobian of a transformation, Green's Theorem, Stokes Theorem and the Divergence Theorem. Prerequisite: MATH 259 - Multivariate Calculus. Spring, odd 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.

Prerequisite: 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. Prerequisite: 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. Prerequisite: MATH 165 - Calculus I or consent of 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. 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.

### **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 Academic Success 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 graded.

### **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. Currently this course is offered on-line 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, including target marketing, marketing research, organizational and consumer buying behavior, product, promotion, pricing, and distribution fundamentals. Prerequisites: ACCT 201 - Elements of Accounting II, ECON 202 - Principles of Macro-Economics, or by permission of course instructor 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 designated as part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Fall, Spring.

### **MRKT 340 - Advertising and Sales Promotion (3)**

An in-depth investigation of both global and domestic advertising as a vital element of an organization's marketing strategy. 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. Fall.

### **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 386 - Retail Management (3)**

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. Prerequisite: MRKT 301 - Principles of Marketing. Spring.

### **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.

### **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. Letter grade. Fall, Spring.

**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. 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.

**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, alternate 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.

Prerequisite: 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. Course fee required. This section is for non-music majors and lower-level music majors. Offered on demand.

### **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 Academic Success 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 graded.

**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 inter-

disciplinary 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 according to interest and enrollment.

**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 Academic Success 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 graded.

### **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 and focuses on nursing process, concepts of health, illness, adaptation, homeostasis throughout all stages of client growth and development. Content/principles related to the following units are included in this course: (1) Introduction to Nursing and the History of Nursing, (2) Musculoskeletal System, Mobility and Immobility, and Sleep, (3) Nursing Process, (4) Skin Integrity and the Prevention of Skin Breakdown, (5) Fluid, Electrolytes Acid Base Balance, (6) Diabetes Mellitus, (7) Normal Abnormal Vital Signs, (8) Disorders of the Upper Respiratory Tract Oxygenation, (9) Medication Administration, (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 and will progress toward mastery of the program outcomes of communication, therapeutic nursing interventions and critical thinking as defined by the Department of Nursing. 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, NURS 198A - Basic Nursing Concepts Clinical 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, and observation in patient care facilities. Client care scenarios are utilized to aid in student application of the nursing process and implementation of nursing skills throughout course units. 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 grade only. Fall. Course fee required.

### **NURS 198B - Basic Nursing Concepts Clinical II (1)**

NURS 198B builds upon skills in NURS 198A - Basic Nursing Concepts Clinical I to progress toward mastery of program outcomes, and is the second clinical 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, NURS 198A - Basic Nursing Concepts Clinical 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 grade only. Spring. Course fee required.

### **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. Program outcomes defined by the Department of Nursing of communication, therapeutic nursing Interventions and critical thinking 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 (1)**

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 based on the Department of Nursing program outcomes of communication, therapeutic nursing interventions and critical thinking. 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. Co-requisite: NURS 298A - Psychiatric/Mental Health Nursing Clinical. Summer.

#### **NURS 240 - Fundamentals of Nutrition (2)**

NURS 240 focuses upon helping the client achieve or maintain 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 the use of nutrition therapy to 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 program outcomes of communication, therapeutic nursing interventions and critical thinking 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) Musculoskeletal, Arthritis and Connective Tissue Disorders, (3) Human Reproduction, Care of the Newborn, Sexuality, Male/Female Reproductive 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. Prerequisites: NURS 231 - Psychiatric/Mental Health Nursing, NURS 298A - Psychiatric/Mental Health Nursing Clinical. 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 program outcomes of communication, therapeutic nursing interventions and critical thinking 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) Intracranial, Spinal Cord and Peripheral Nervous System Disorders, (3) Acute and Chronic Renal and Urologic Disorders, (4) Disorders of the Lower Gastrointestinal Tract, Liver, Pancreas and Gall Bladder, (5) Assessment and Disorders of the Endocrine System, and (6) Auditory, Visual, Immune System and Neoplastic 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 Academic Success 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 grade 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 298A - Psychiatric/Mental Health Nursing Clinical (1)**

A clinical course in which students actively engage in learning experiences with individuals who are experiencing well-defined mental health illnesses. Students utilize the nursing process to care for adult clients to optimize mental health. Clinical experiences encompass nursing practices that protect, promote, and optimize health/abilities. A portion of the clinical experience may be offered at the North Dakota State Hospital located in Jamestown. 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 - Anatomy and Physiology II. Co-requisite: NURS 231 - Psychiatric/Mental Health Nursing. S/U grade only. Summer. Course fee required.

**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 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. Prerequisites: NURS 231 - Psychiatric/Mental Health Nursing, NURS 298A - Psychiatric/Mental Health Nursing Clinical. Co-requisite: NURS 241 - Intermediate Nursing Concepts I. S/U grade 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. 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 grade 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 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 encourage critical thinking and interdisciplinary collaboration 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. Spring.

**NURS 321 - Health Assessment (2)**

This course focuses on assessment strategies and therapeutic 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. Interdisciplinary 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 therapeutic communication skills acquired in the co-requisite course, Health Assessment. Utilization of critical thinking skills and 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 grade 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 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, communication, therapeutic nursing interventions, critical thinking skills and program values guide the formulation of nursing care decisions and selection of interdisciplinary 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 grade 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 interdisciplinary 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. 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, interdisciplinary collaboration, case management, change, quality improvement and role transition are explored to enhance communication, 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 436 - Advanced Concepts Across the Lifespan (4)**

This online course focuses on advanced nursing concepts for care of clients across the lifespan with unstable, ill defined, acute and chronic illness. Evidence based practice guides the application of the nursing process in complex nursing situations. Comprehensive strategies are used to encourage critical thinking and interdisciplinary collaboration to protect, promote and optimize health and abilities. Prerequisites: CHEM 115/CHEM 115L - Introduction to Chemistry/Lab, NURS 328 - Nursing Role Transition, NURS 321 - Health Assessment, NURS 398A - Health Assessment Clinical, BIOL 357 - Pathophysiology, NURS 330 - Nursing Research, NURS 331 - Community Health I, and NURS 398B - Clinical Concepts I. Co-Requisites: NURS 425 - Nursing Leadership and Management and NURS 498A - Clinical Concepts. Fall. (online only)

**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 Academic Success 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 grade 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 interdisciplinary care in traditional health care settings. Formative experiences across the lifespan are provided that require application of communication, therapeutic nursing interventions, critical thinking 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 grade 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 interdisciplinary 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 grade 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. Fall, odd years. Course fee required.

### 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. Course fee required.

### 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. Prerequisite: 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. Course fee required.

### 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. Course fee required.

### 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 251/251L - 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 Academic Success 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 graded.

### **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 306 - Radiation Health (2)**

An in-depth look at radiation and how it affects human health. Topics include the various forms of radiation, the health effects caused by exposure to radiation, methods used to measure radiation, principles of radiation safety, and sources of radiation in natural and man-made environments. Prerequisites: CHEM 122/CHEM 122L - General Chemistry II/Lab; PHYS 211/PHYS211L - College Physics I/Lab OR PHYS 251/PHYS 251L - University Physics I/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. Cross-listed as BIOL 306. Spring, odd years.

### **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 Academic Success 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 graded.

### **PHYS 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.

### **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. Course fee required.

### **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. Course fee required.

**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 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 Academic Success 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 graded.

**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. Cross listed with SOC 325 - Research

Methods and HIST 325 - Research Methods. 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 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 (1)**

Survey of the history of the United States Supreme Court, its decisions, and its place in American history. The course is 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 Academic Success 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 graded.

**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. Prerequisite: 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. Spring.

**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 Academic Success Center. (Maximum eight credits may be applied to graduation.)

**PSYC 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.

**PSYC 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 graded.

**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. Prerequisites: PSYC 260 - History and Systems. Fall.

**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. 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. Prerequisite: PSYC 260 - History and Systems. Fall.

**PSYC 346 - Research and Experimentation in Psychology II (3)**

A continuation of research in psychology. 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. Prerequisites: PSYC 260 - History and Systems and PSYC 345 - Research and Experimentation in Psychology I. 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.

**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.

**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 DSM-IV and includes symptoms, diagnostic criteria, characteristics, treatment, and etiology of each major disorder. Prerequisite: PSYC 111 - Introduction to Psychology. Fall/Spring.

**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.

**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. Spring.

**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. Prerequisites: Senior standing and PSYC 345 - Research and Experimentation in Psychology 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. Fall, Spring.

**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 Academic Success Center. (Maximum eight credits may be applied to graduation.)

**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. 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.

**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 graded.

**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 Academic Success 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 graded.

### **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 Academic Success 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 graded.

### **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 336 - 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. Course fee required.

### RNG 350 - Range Plants and Communities (3)

Identification, taxonomy, distribution, and forage value, and relationships of important U.S. range plants. Fall. Course fee required.

### 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 336 - Introduction to Range Management and GIS 380 - Applied Arc GIS or equivalent. Fall. Course fee required.

### 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. Course fee required.

### 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. Cross listed with AGRI 491. 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 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. Course fee required.

**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 Academic Success 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 graded.

**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. Cross listed as GEOG 315.

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. Fall, even 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. Fall. Students strongly advised to complete this course during sophomore year.

**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 as 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 graded only. Course fee required.

**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 as 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. Prerequisites: SCNC 490 - Science 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 as BIOL 491 SCNC 491 is a capstone course.

**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 Academic Success 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 graded.

**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 Academic Success 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 graded.

**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 300 - Secondary Curriculum and Effective Teaching (3)**

This course examines secondary curriculum planning, effective instructional and 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. In the co-requisite field experience, students will teach in a junior high, middle school, or high school setting, putting into practice course topics, including strategies for multicultural education and classroom management. Prerequisite: Admission to Teacher Education. Co-requisites: SEED 370 - Reading in the Content Areas, and SEED 398B - Secondary Methods Block Field Experience I or SEED 398C - Secondary Methods Block Field Experience II. Fall, Spring

**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. Co-requisites: SEED 300 - Secondary Curriculum and Effective Teaching, and SEED 398B - Secondary Methods Block Field Experience I or SEED 398C - Secondary Methods Block Field Experience II. Fall, 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 390P - Methods of Teaching Secondary Physical Education (3)**

Curriculum development as to methods, techniques, materials in teaching physical education with inclusion of conducting and teaching laboratory experiences. Prerequisite: Admission to Teacher Education and ENGL 120 - College Composition II or ENGL 121H - Honors Composition II. Co-requisites: EDUC 390E - Health Education Methods, ELED 390H - Teaching Physical Education in the Elementary School and SEED 398B - Secondary Methods Field Experience I or SEED 398C - Secondary Methods Field Experience II. This course is part of the university's Writing Across the Curriculum/Writing in the Disciplines program. Spring.

**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. Prerequisite: 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

**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.

**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. Course fee required.

**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. Prerequisite: 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. Prerequisite: 12 hours of Spanish or equivalent and Admission to Teacher Education. Co-requisite: SEED 398B - Methods Block Field Experience I or SEED 398C - Methods Block Field Experience II. 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.

**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. Spring.

**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.

**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. 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 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. Prerequisite: 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. 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.

**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 Academic Success 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 graded.

**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 498 - Teaching in the Secondary School (15)**

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 14 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 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 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.

**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 Academic Success 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 graded.

**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. Cross-listed with HIST 325 - Research Methods and POLS 325 - Research Methods. 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 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 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 Academic Success 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 graded.

**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. Course fee required.

**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. Spring, 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. Fall, 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 as GEOG 444. Prerequisite: SOIL 210 - Introduction to Soil Science, GEOL 105 - Physical Geology, or GEOG 121 - Physical Geography. Fall, even years. Course fee required.

**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, odd 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 Academic Success 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 graded.

**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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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. Prerequisite: 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 Academic Success 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 graded.

**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 Academic Success 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 graded.

**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 Academic Success 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 graded.

**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. It will also include 50 hours of volunteer service as part of the course content. Fall.

**SWK 255 - Social Work in a Modern Society (3)**

An introductory course for social work majors. Review of the growth and development of social work as a profession, its roles, values, and goals as a helping profession. 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. Prerequisites: SOC 110 - Introduction to Sociology and POLS 115 - American Government, 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.

**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. 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.

**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. 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. 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.

**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 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 Academic Success 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)**

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.

**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 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. Fall, Spring.

**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 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, alternate 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. Prerequisite: 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, alternate 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, alternate 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.

**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). Fall, Spring. This course is graded on an S/U basis.

**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 Academic Success 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)**

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.

**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****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. Course fee required.

**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. Course fee required.

**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. 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. 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. Every fall semester, spring as needed.

**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 and 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)**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**UNIV 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.

**UNIV 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 Academic Success Center. (Maximum eight credits may be applied to graduation.)

**UNIV 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. 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.

**UNIV 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.

**UNIV 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.

**UNIV 297 - 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 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.

**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.

**UNIV 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 Academic Success Center. (Maximum eight credits may be applied to graduation.)

**UNIV 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.

**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.

**UNIV 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 graded.

**UNIV 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.

**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)**

**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.

**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.

# DIRECTORY

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## FACULTY

*Initial year of employment indicated in parentheses*

**Bachamp, Marlys**; Assistant Professor of Nursing (2008) Dickinson State University, B.S.N.; University of Phoenix, M.S.N.

**Barnhart, Margaret M.**; Lecturer of English (1992) Dickinson State University, B.S.

**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**; Instructor of Nursing (2018) Dickinson State University B.S.

**Bren, Teresa R.**; Assistant Professor of Nursing (2013) Dickinson State University, B.S.N.; University of Mary, M.S.N.

**Brevik, Corinne E.**; Co-chair, Department of Natural Sciences; Professor of Physics (2004) Montana State University, B.S.; University of Colorado, M.S., Ph.D.

**Brevik, Eric C.**; Professor of Geology and Soils (2007) University of North Dakota, B.S., M.A.; Iowa State University, Ph.D.

**Burgess, Cynthia**; Lecturer of Biology (2006) Utah State University, B.S.

**Butz, Rolf**; Assistant Professor of Business (1997) University of North Dakota, M.B.A.

**Carlson McGoey, Lara**; Instructor of English (2016) University of South Dakota, B.A., M.A.

**Charchenko, Audrey A.**; Assistant Professor of Nursing (2006) Dickinson State University, B.S.N., University of Mary, M.S.N., 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.

**Conrick, Charles IV**; Professor of Business and Finance (2005) University of South Florida, B.A.; Nova Southeastern University, M.B.A.; Argosy University, D.B.A.

**Corbin, Lisa**; Assistant Professor of Accounting (2011) University of Mary, B.S., M.B.A.

**Cummisk, Gary**; Professor of Geography (2003) Virginia Wesleyan College, B.A.; Central Washington University, M.S.; Cornell University, M.F.A.; University of Oregon, 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.**; 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.

**Fader, Lorraine**; Assistant Professor of Music (2015) University of British Columbia, B.M.; University of Washington, M.M.; Florida State University, D.M.

**Fike, Hildee**; Instructor of Mathematics (2016) Montana State University-Northern, B.S.; Montana State University, M.S.

**Grabowsky, Eric**; Assistant Professor of Communication (2010) Grove City College, B.S.; Duquesne University, M.A.; Ph.D.

**Gruhlke, Holly**; Chair, School of Business and Entrepreneurship; Associate Professor of Business (2012) Dickinson State University, B.S., University of North Dakota, M.B.A.; Wilmington University, D.B.A.

**Hale, Karen L.**; Assistant Professor of Sociology (2011) Texas A & M International University, B.S., M.A.; Texas Women's University, Ph.D.

**Hanson, Scott D.**; Assistant Professor of Accounting (2002) Ball State University, B.A.; Golden Gate University, M.B.A.; University of Georgia, M.A.C.C.

**Harris, William (Billy) T. III**; Chair, Department of Mathematics and Computer Science; Professor of Computer Science (2009) University of Texas at Austin, B.S.E.E.; University of Texas at Arlington, M.S.; University of Texas at Arlington, Ph.D.

**Hauf, Lori K.**; Assistant Professor of Business (2003) Dickinson State University, B.S. Ed; Minot State University, M.Ed.

**Haupt, Kenneth W.**; Chair, Department of Fine and Performing Arts; Professor of Communication and Theatre (1993) Clarion State College, B.A.; Emerson College, M.A.; Mankato State University, M.F.A.; Wayne State University, Ph.D.

**Heidt, Loretta.**; Instructor of Business (2017) Dickinson State University, B.S.; University of Mary, M.S., M.B.A.

**Hirth, Brittany**; Assistant Professor of English (2018) University of Connecticut, B.S.; Central Connecticut State University, M.A., Ph.D.

**Hoffman, Darla**; Instructor of Education (2017) Minot State University B.S., M.S.

**Hueske, Darla;** Instructor of Fine Art (2018) Minnesota State University M.S., New Mexico Highlands University M.A.

**Jahner, Jarvis;** Assistant Professor of Theatre and Communication (2011) Dickinson State University, B.A.; University of Oregon, M.F.A.

**Johanson, Paul J.;** Professor of Mathematics, (1999) Moorhead State University, B.A.; Montana State University, M.S., Ph.D.

**Johnson, Naomi;** Instructor of Computer Science (2013) California State at Sacramento, B.V.Ed., M.Ed.

**Karie, Laurie A.;** Instructor of Social Work (2005) Mid-America Nazarene University, B.S.; The University of Kansas, M.S.W.

**Kass, Amy A.;** Assistant Professor of Accounting (2012) Lakeland College, B.A., M.B.A.

**King, Doug W.;** Professor of Agriculture (1997) University of Saskatchewan, B.S.; New Mexico State University, M.S.; New Mexico State University, Ph.D.

**Krueger, Pamela;** Instructor of Education (2016) Andrews University, B.S.; York University, M.Ed.

**Lantz, Cheryl;** Chair, Department of Nursing; Associate Professor of Nursing (2018); University of Utah, B.S.; University of North Dakota, M.S., Ph.D.

**Lee, Marilyn E.;** Associate Provost and Dean of Instruction; Professor of Art (2002) Valdosta State University, B.A.; University of Memphis, M.F.A.

**Leno, Pete;** Assistant Professor of Health and Physical Education (1991) Valley City State University, B.S., B.A.; North Dakota State University, M.S.

**Lowe, Mark;** Assistant Professor of Accounting (2016); Mayville State University, B.S.; North Dakota State University M.B.A.

**Lund, Carl;** Associate Professor of Education (2017); University of Wisconsin, B.S.; Emporia State University, M.S.; Wichita State University, M.S.

**Lunde, Analena;** Assistant Professor of Nursing (2015) Catholic University of America, B.S.N.; Walden University, M.S.N.

**Mabry, Ian;** Assistant Professor of Art (2018) Tennessee Technological University B.F.A.; University of North Dakota M.F.A.

**McBee, Holly J.;** Chair, Department of Language and Literature; Director, Theodore Roosevelt Honors Leadership Program; Associate Professor of English (2008) University of Iowa, B.A.; New Mexico State University, M.A.; Purdue University, Ph.D.

**McCoy, Christine A.;** Associate Professor of Education (2007) Southwest State University, B.A.; University of South Dakota, M.Ed., Ed.D.

**McGoey, Martin;** Instructor of English (2017) Concordia University B.S. University of Northern Iowa M.A.

**Meier, David A.;** Professor of History (1993) Eastern Illinois University, B.A.; University of Wisconsin-Madison, M.A., Ph.D.

**Meyer, Lucy;** Assistant Professor of Nursing (2006) Dickinson State University, B.S.N.; University of North Dakota, M.S.

**Miller, Jeffrey;** Instructor of Health and Physical Education (2014) North Dakota State University, B.S.Ed., M.S.

**Moberg, Kevin A.;** Assistant Professor of English and Education (2008) University of North Dakota, B.A.; University of North Dakota, M.A.

**Moench, Candice;** Associate Professor of Education (2016) University of Illinois at Chicago, B.A.; Wayne State University, M.A., Ed.D.

**Moody, David W.;** Assistant Professor of Health and Physical Education (1990) University of Wisconsin-LaCrosse, B.S.; Eastern Kentucky University, M.S.

**Neubert, Darrell;** Assistant Professor of Business, (2016) Florida State University, B.A.; Central Michigan University, M.S.; National Intelligence University, M.S.

**O'Donnell, Thadd M.;** Chair, Department of Health and Physical Education; Assistant Professor of Health and Physical Education (1994) Dickinson State University, B.S.; Northern State University, M.A.

**Ogawa, Katsu;** Associate Professor of Chemistry (2017) Minnesota State University, B.S, A.C.S.; North Dakota State University, Ph.D.

**Olsen, Reba;** Assistant Professor of Mathematics (2007) University of Minnesota-Morris, B.A.; University of Wyoming, M.S.

**Pierce, Ken S.;** Professor of Chemistry (1995) University of Wisconsin-River Falls, B.S.; University of North Dakota, M.S., Ph.D.

**Poland, Woodrow W.;** Chair, Department of Agriculture and Technical Studies; Professor of Agriculture (2006) Potomac State College, A.A.S. West Virginia University, B.S., M.A.; South Dakota State University, Ph.D.

**Renner, Dorothy;** Instructor of Psychology (2018) University of Maryland B.S., Dickinson State University B.S. & B.A., Capella University M.S.

**Robinson, Cheri;** Assistant Professor of Spanish (2018) Oregon State University, B.A.; University of California, Los Angeles, M.A, Ph.D.

**Rodriguez, Nestor;** Assistant Professor of Agriculture (2017) Florida Atlantic University, B.S., M.S., Purdue University, Ph.D.

**Rogers, Brent;** Assistant Professor of Choral Music (2015) Brigham Young University, B.M., M.M.; University of Arizona D.M.A.

**Secord, Deborah;** Chair, Department of Teacher Education; Associate Professor of Education (2017) Pensacola Christian College, B.S., M.S.; Liberty University, Ed.S., Ed.D.

**Skretteberg, Jacinta;** Assistant Professor of Nursing (2011) Dickinson State University, B.S.; University of Mary, M.S.

**Stanton, John (Pete);** Athletic Director; Instructor of Health and Physical Education (2000) Dickinson State University, B.S.; Montana State University, M.Ed.

**Steffan, Joshua;** Assistant Professor of Soil Biology, Assistant Professor of Microbiology (2013) Dickinson State University, B.S.; Louisiana State University Health Sciences Center, Ph.D.

**Stevier-Johanson, Michelle;** Instructor of English (2018) Carlton College, B.A., Indiana University, M.A.

**Stroh, Toby L.;** Assistant Professor of Agriculture (1990) North Dakota State University, B.S.; University of Texas, El Paso, M.S.

**Varney, Frank P.;** Associate Professor of History (2008) William Paterson University, B.A.; Cornell University, M.A., Ph.D.

**Voutsas, Kostas;** Assistant Professor of Business (2003) Eastern Michigan University, B.B.A., M.S., M.B.A.

**Walter, Gregory;** Associate Professor of Art (2013) Mankato State University, B.F.A.; University of Nebraska at Lincoln, M.F.A.

**Walter-Frojen, Rhonda;** Lecturer of Art (2008) Dickinson State University, B.A., B.U.S.

**Watson, Monica;** Lecturer of Mathematics (2006) Dickinson State University, B.S.

**Whippo, Craig W.;** Co-chair, Department of Natural Sciences; Associate Professor of Biology (2011) Purdue University, B.S.; Indiana University, Ph.D.

**Whippo, Dana K.;** Assistant Professor of Political Science (2013) Baylor University, B.A., M.S.; Indiana University, Ph.D.

**Wilson, Wendy L.;** Associate Professor of Psychology (2011) Washington State University, B.S., M.S., Ph.D.

**Wittkopp, Ann;** Assistant Athletic Trainer/Instructor of Health and Physical Education (2018) Dickinson State University B.S.; Montana State University Billings, M.A.

**Wittkopp, Shayne;** Instructor of Exercise Science (2016) Dickinson State University, B.S.; Central Washington University, M.S.

**Wohletz, Jeremy G.;** Assistant Professor of Music (2014) Baker University, B.A.; Southern Illinois University Carbondale, M.M.; University of Kansas, D.M.A.

**FACULTY EMERITI**

Neil N. Ableidinger	Assistant Professor Emeritus of Education	Edward Kluk	Professor Emeritus of Physics
Henry Biesiot	Associate Professor Emeritus of Health and Physical Education	Terry Klusmann	Assistant Professor Emeritus of Nursing
Richard D. Brauhn	Professor Emeritus of History	Paul C. Larsen	Professor Emeritus of Education
Elwood H. Brown	Professor Emeritus of Music	Carl Larson	Professor Emeritus of English
Lynn C. Burgess	Professor of Biology	Barbara Laman	Professor Emerita of English
Philip W. Conn	President Emeritus	Doug LaPlante	Professor Emeritus of Education
Molisa Derk	Professor Emeriti of Computer Science	Calvin Lundberg	Associate Professor Emeritus of Education
Keith Fernsler	Professor Emeritus of Sociology	Mats Mangru	Professor Emeritus of Mathematics
Karen Foster	Associate Professor Emeriti of English	Mary Anne Marsh	Professor of Nursing
Mike Frank	Professor Emeritus of Computer Science	Paula J. Martin	Professor of Chemistry
Myron L. Freeman	Professor Emeritus of Biology	William Massey	Associate Professor Emeritus of Mathematics
Bertha R. Geiger	Associate Professor Emerita of Physical Education	Neil R. McFadgen	Associate Professor Emeritus of English
R. Cameron Gillund	President Emeritus	James McWilliams	Professor of English
Ronald Gingerich	Professor Emeritus of Theatre	LeRoy A. Oberlander	Associate Professor Emeritus of German
William Goetz	Associate Professor Emeritus of Business	Frank C. Pearson	Professor Emeritus of Music
Michael Hastings	Professor Emeritus of Biology	Georgia L. Raasch	Instructor Emerita of Nursing
Della M. Hedi	Associate Professor Emerita of Music	Leland Skabo	Professor Emeritus of Business Education
Arlan Hofland	Assistant Professor Emeritus of Physical Education	David Solheim	Professor Emeritus of English
Gayle Hofland	Assistant Professor Emeritus of Nursing	Selma A. Sticha	Assistant Professor of Nursing
Roger F. Huffman	Associate Professor Emeritus of Physical Education	Winifred B. Stump DeLong	Professor Emerita of Speech
Thomas E. Jensen	Professor Emeritus of Education	G. Knude Swensen	Professor of Business and Marketing
LaVern M. Jessen	Assistant Professor Emeritus of Physical Education	Robert G. Todd	Professor Emeritus of Chemistry
Roger Kilwein	Associate Professor Emeritus of Business	Donald Vick	Professor Emeritus of Mathematics
Richard T. King	Professor Emeritus of Accounting	Lee A. Vickers	President Emeritus
		Gerald J. Waldera	Associate Professor Emeritus of Political Science
		Jean Anne Waldera	Associate Professor Emerita of Speech and Theater

Albert A. Watrel	President Emeritus; Professor Emeritus of Chemistry
Fred Werremeyer	Professor Emeritus of Mathematics
Kay Werremeyer	Associate Professor Emeritus of Education
Darwin G. Whelan	Associate Professor Emeritus of Education
Ray Wheeler	Professor Emeritus of English
Dale M. Zieman	Professor Emeritus of Chemistry

**UNIVERSITY PRESIDENTS**

1918-1929	Samuel T. May	University of Iowa, Ph.D. University of Illinois College, L.L.B.	2008-2011	Richard J. McCallum	Wayne State College, B.A. University of Nebraska-Lincoln, M.A. University of Nebraska-Lincoln, Ph.D.
1929-1936	Conrad J. Kjerstad	University of South Dakota, B.A. University of Chicago, M.A., Ph.D.	2012-2015	D.C. Coston	North Carolina State University, B.S. Michigan State University, M.S. Michigan State University, Ph.D
1936-1938	Harrison O. Pippin	Dickinson State Teachers College, B.A.Ed.			
1939-1959	Charles E. Scott	Colorado State College of Education, Greeley, B.A., M.A.	2015	Jim L. Ozbun Interim President	North Dakota Agricultural College, B.S. North Dakota State University, M.S. North Carolina State University, Ph.D
1959-1969	Oscar A. DeLong	Dakota Wesleyan University, B.A. University of Iowa, M.A. Colorado State College of Education, Greeley, Ed.D.	2016-	Thomas M. Mitzel	Northern State University, B.S. Boston College, Ph.D.
1969-1977	R. Cameron Gillund	University of North Dakota, B.S., M.S., Ed.D.			
1977-1994	Albert A. Watrel	Syracuse University, B.S., M.S., Ph.D.			
1994-1998	Philip W. Conn	Berea College, B.A. Institute of Social Studies (The Hague, Netherlands). Dip. Soc. Pol. University of Tennessee, Knoxville, M.A. University of Southern California, M.P.A., D.P.A.			
1998-1999	Richard D. Brauhn Interim President	University of Northern Iowa, B.A. University of Northern Iowa, M.A. University of Northern Iowa, D.A.			
1999-2008	Lee A. Vickers	Adams State College, B.A. Adams State College, M.A. University of Wyoming, Ph.D.			

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