

## MESSAGE FROM THE PRESIDENT



### **Welcome to Dickinson State University**

It is a sincere pleasure to share the content of this publication with you. As we reflect upon this past academic year, we have many outstanding accomplishments to report. All of the efforts are hallmarked by a spirit of collaboration and an enduring commitment to deliver programs that are timely, relevant and responsive to the educational needs of this region. As we move forward, we will embrace the guideposts within the North Dakota University System's long-range strategic plan. DSU is committed to providing accessible and affordable programs that advance the overall vitality of the state.

This past year, I frequently delivered public remarks regarding our enduring dedication to teaching, learning, scholarship and student success. Our commitment to academic success remains foremost. This fiscal year, using a modest amount of institutional resources, we allocated funds to advance three major academic initiatives. The first effort seeks to implement a continuous quality improvement (CQI) plan within our departments. Our curriculums need to evolve in order to maintain relevance. The second initiative, inspired by a 2008 American Council on Education Report, seeks to advance our global awareness initiative and commitment to infuse our formal curriculums and campus life with multicultural discussions and international perspectives. Increasingly, we live and work in a world where social, political, economic and educational relationships are globally focused, interconnected and mutually supporting. The third pool of funds was allocated to enhance our ability to foster innovative teaching, learning, scholarship and academic program excellence. In a world with an ever-changing environment, the content of knowledge and context for application are altered frequently by new discoveries and multiple trends.

In summary, with one eye upon the future and a Centennial celebration over the horizon, DSU seeks to enhance its ability to be a learning-focused institution that intentionally serves the social, cultural and economic well-being of this region. Our vision to become a premier university in the Upper Great Plains implies a sustained commitment to improvement as we dedicate our energy to the educational process. This dedication to academic excellence within the teaching-learning transaction is a hallmark of our past, the cornerstone of our present and a pillar for our future success.

As I close this essay, I want to express my sincere appreciation for your continued support and assistance. I hope you enjoy this brief glimpse of the many successes Dickinson State University has enjoyed this past year.

A handwritten signature in cursive script that reads "Richard J. McCallum". The signature is written in black ink and is positioned above the printed name and title.

**Richard J. McCallum, Ph.D.**  
**President**

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 2010-2011 and 2011-2012 academic years. 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, 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 Marshall Melbye, AA/EEO Officer, Dickinson State University, 291 Campus Drive, Dickinson, ND 58601-4896 or to the Office for Civil Rights, U.S. Department of Education, 10220 North Executive Hills Blvd., 8<sup>th</sup> Floor, Kansas City, MO 64153.

### **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, of Colleges and Schools located at 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602.



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**Dickinson State University**

291 Campus Drive

Dickinson, North Dakota 58601-4896

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World Wide Web address: www.dickinsonstate.edu

1-800-279-4295

# ACADEMIC AFFAIRS CALENDAR

## 2010-2011

### Fall Semester

Aug. 23	Monday	Residual Registration
Aug. 23	Monday	Classes Begin – 3:00 PM (MT)
Sep. 1	Wednesday	Last Day to Add a Class
Sep. 6	Monday	Labor Day Holiday
Oct. 11-15	Monday-Friday	Mid Term
Oct. 18	Monday	First Day/Second Half Semester
Nov. 11	Thursday	Veterans Day Holiday
Nov. 12	Friday	Last Day to Drop a Class
Nov. 15-18	Monday-Thursday	Pre. Reg./Returning Students
Nov. 24	Wednesday	Thanksgiving Recess Begins After Evening Classes
Nov. 25-26	Thursday-Friday	Thanksgiving Holiday
Dec. 1-3	Wednesday-Friday	Pre. Reg./ New Students
Dec. 10	Friday	Last Day of Regular Classes
Dec. 13-17	Monday-Friday	Final Examinations
Dec. 17	Friday	Semester Ends

### Spring Semester

Jan. 10	Monday	Residual Registration
Jan. 10	Monday	Classes Begin - 3:00 PM (MT)
Jan. 17	Monday	Martin Luther King Holiday
Jan. 20	Thursday	Last Day to Add a Class
Feb. 21	Monday	Presidents Day Holiday
Feb 28-Mar. 4	Monday-Friday	Mid Term
Mar. 7	Monday	First Day/Second Half Semester
Mar. 14-18	Monday-Friday	Spring Break
Apr. 8	Friday	Last Day to Drop a Class
Apr. 11-14	Monday-Thursday	Pre.Reg./ Returning Students
Apr. 22-25	Friday-Monday	Easter Recess
May 6	Friday	Last Day of Regular Classes
May 9-13	Monday-Friday	Final Examinations
May 14	Saturday	Commencement

## 2011-2012

### Fall Semester

Aug. 22	Monday	Residual Registration
Aug. 22	Monday	Classes Begin – 3:00 PM (MT)
Aug. 31	Wednesday	Last Day to Add a Class
Sep. 5	Monday	Labor Day Holiday
Oct. 10-14	Monday-Friday	Mid Term
Oct. 17	Monday	First Day/Second Half Semester
Nov. 10	Thursday	Last Day to Drop a Class
Nov. 11	Friday	Veterans Day Holiday
Nov. 14-18	Monday-Friday	Pre.Reg./Returning Students
Nov. 23	Wednesday	Thanksgiving Recess Begins After Evening Classes
Nov. 24-25	Thursday-Friday	Thanksgiving Holiday
Dec. 5-9	Monday-Friday	Pre.Reg./New Students
Dec. 9	Friday	Last Day of Regular Classes
Dec. 12-16	Monday-Friday	Final Examinations
Dec. 16	Friday	Semester Ends

### Spring Semester

Jan. 9	Monday	Residual Registration
Jan. 9	Monday	Classes Begin – 3:00 PM (MT)
Jan. 16	Monday	Martin Luther King Holiday
Jan. 19	Thursday	Last Day to Add a Class
Feb. 20	Monday	Presidents Day Holiday
Feb. 27-Mar 2	Monday-Friday	Mid Term
Mar. 5	Monday	First Day/Second Half Semester
Mar. 12-16	Monday-Friday	Spring Break
April 5	Thursday	Last Day to Drop a Class
Apr. 6-9	Friday-Monday	Easter Recess
Apr. 16-19	Monday-Thursday	Pre.Reg./Returning Students
May 4	Friday	Last Day of Regular Classes
May 7-11	Monday-Friday	Final Examinations
May 12	Saturday	Commencement

# THE UNIVERSITY

## **LOCATION AND SETTING**

Dickinson State University is located in the city after which it is named. Dickinson, the seventh largest city in the state, is the hub of West River North Dakota and boasts a population of approximately 16,000. 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.

## **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.

## **MISSION, ROLE, AND SCOPE 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 in business, nursing, agriculture, and computer science. There is opportunity for pre-professional study and vocational training 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 are then free as juniors and seniors to explore a major field of study. Dickinson State University believes that its curriculum offers students a healthy 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;
- National League for Nursing Accrediting Commission (NLNAC)  
350 Hudson Street  
New York, New York 10014; and
- National Environmental Health Science and Protection Accreditation Council (EHAC)  
8620 Roosevelt Way NE, Suite A  
Seattle, WA 98115
- National Council for the Accreditation of Teacher Education (NCATE)  
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

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.



## ADMISSION REQUIREMENTS

### ADMISSION REQUIREMENTS

Applicants interested in attending Dickinson State University should submit their application early. Applications for admissions can be completed online at [www.dickinsonstate.edu/admissions.asp](http://www.dickinsonstate.edu/admissions.asp). To request additional materials please contact the Office of Enrollment Services at 1.800.279.Hawk (4295).

To complete the application process requires the following:

1. Submit a non-refundable \$35 admission fee; however, students returning after an absence will not be required to submit another admission fee.
2. Official high school transcript which includes the applicant's class rank, grade point average (based on a 4.0 honor point system) or
3. General Education Development (GED) scores must be sent from the appropriate state agency where these documents are kept.
4. American College Testing (ACT) or Scholastic Aptitude Test (SAT) scores should be submitted directly from the testing center; however, a photocopy of examination test scores taken from the high school transcript will be accepted.
5. Students older than the age of 25 are not required to submit an ACT or SAT score.
6. The North Dakota State Board of Higher Education policy (506.1) requires the applicant to submit a complete health and medical history, in addition to presenting evidence of receiving two immunizations for measles, mumps, and rubella, or proof of a positive serologic test for measles, mumps, and rubella.

7. Applicants must provide proof of medical exemption to the immunization requirement, which may include a signed statement of a religious philosophical exemption to the immunization requirement.
8. All applicants must complete and sign the Campus Safety and Security Questionnaire prior to being officially accepted at Dickinson State University.

Failure to complete admission process (checklist) by midterm of first semester of attendance will result in an administrative hold placed on the student account or the rescinding of the applicant's admission to the university.

### CAMPUS SAFETY AND SECURITY QUESTIONNAIRE

In accordance with North Dakota's State Board of Higher Education policy (SBHE 511) all applicants must complete the Campus Safety and Security Questionnaire. The information provided on the questionnaire will be considered as part of a review on whether or not and under what conditions an applicant may be admitted to Dickinson State University.

An affirmative answer on the Campus Safety and Security Questionnaire requires the applicant to provide additional written information which will be considered by a review committee. It is important to know the review committee as part of its process can request an interview with the applicant. Falsification or omission of information regarding one's history may result in disciplinary action including but not limited to denial of admission or dismissal from the university.

The Campus Safety and Security Questionnaire can be downloaded from online and returned by mail to:  
Dickinson State University  
Office of Enrollment Service  
291 Campus Drive  
Dickinson, ND 58601



# **ADMISSION REQUIREMENTS**

## **APPLICATION PROCEDURE**

The application for admission form is available at the Office of Enrollment Services. It should be filled out completely and returned, along with a non-refundable \$35 admission fee. The admissions and registration process also requires:

1. The applicant's high school transcript, or his/her GED scores, must be mailed directly to the Dickinson State University Office of Admissions and Academic Records from his/her high school, or in the case of GED scores, directly from the appropriate state agency where these documents are kept. High school transcripts must include the applicant's class rank, grade point average (based on a 4.0 honor point system) and ACT or SAT score. Applicants taking the ACT entrance exam also have to take the ACT Writing Test. The applicant's ACT or SAT score should be submitted directly from the testing center; however, a photocopy of that document taken from the high school transcript will be accepted.
2. The applicant must complete his/her health and medical history and present evidence of two immunizations for measles and rubella, or proof of a positive serologic test for measles and rubella, or proof that the student has a medical exemption to the immunization requirement or a signed statement of a religious philosophical exemption to the immunization requirement.

## **ENROLLMENT ELIGIBILITY**

The admission policy at Dickinson State University allows an applicant to enroll if he or she has a high school diploma or successfully completed the GED examination. The applicant must complete the ACT test.

Incoming freshmen that have not earned a high school diploma can be admitted into the university if the student has successfully completed the GED battery of tests with an overall average score of 450 and a minimum score of 410 in each subject area. Individuals wishing to take the GED examination should contact Dickinson Public School Central Administration at 701.483.0002.

## **GED REQUIREMENTS**

A beginning freshman who has not earned a high school diploma may be admitted to Dickinson State University if the student has successfully completed the GED battery of tests with an average score of 450 and a minimum score of 410 in each subject area. Any student wishing to take a GED exam should contact Dickinson Public School Central Administration at 701-456-0002.

## **HIGH SCHOOL STUDENTS TAKING COLLEGE COURSES**

The high school student must complete the Dickinson State University form requesting permission to take a college course, and have the written permission from the high school principal or other designated high school authority. The student must be at least a sophomore in high school in high school. For further information contact the Office of Academic Affairs, May Hall, room 118.

## **IN-STATE STUDENTS**

A beginning freshman applicant who is a resident of the State of North Dakota will be admitted to a baccalaureate program at Dickinson State University provided the applicant has met the admissions requirements as set forth by the North Dakota State Board of Higher Education:

## **REQUIRED H.S. CORE CURRICULUM (EFFECTIVE FALL 1993)**

- Four (4) units of English
- Three (3) units of mathematics, algebra I and above
- Three (3) units of laboratory science, including at least one unit each in two or more of the following: biology, chemistry, physics, or physical science.
- Three (3) units of social studies, excluding consumer education, cooperative marketing, orientation to social science, and marriage/family.

**NOTE: Students who have not completed all units of the required H.S. core and wish to earn a baccalaureate degree, will be admitted but must initially enroll in an Associate Degree program (Associate in Arts, Associate in Science, or Associate in Applied Science) and earn a minimum of 24 semester hours of credit before receiving permission to pursue a baccalaureate degree program.**

## **OUT-OF-STATE STUDENTS**

Applicants from outside of North Dakota must meet the same general requirements as in-state students. Out-of-state students with ACT scores of less than 18 or ranking in the lower half of their graduating class will be carefully reviewed before being accepted by the University.

## **WESTERN UNDERGRADUATE EXCHANGE ADMISSION (WUE)**

All programs at Dickinson State are available for WUE students.

## **RESIDENCY STATUS**

Students requesting residency status must complete the North Dakota State Board of Higher Education's Application for Resident Student Status, which is available from the Division of Business Affairs office. Business Affairs will review and act upon completed applications within two weeks of their receipt.

To be considered for residency tuition for a specific semester, applications must be submitted within three weeks of the start of the semester. Refunds will not be given for semesters the student attended prior to filing the application for residency.

**Under guidelines instituted by the North Dakota State Board of Higher Education, a student may obtain residency status while a student at a North Dakota institution of higher learning if he/she is:**

1. A person less than 18 years of age who resides with a parent or guardian who has been a legal resident of North Dakota for 12 months;

## ADMISSION REQUIREMENTS

2. A person 18 years of age or older who has been a legal resident of North Dakota for 12 months;
3. A dependent whose parent or guardian has been a legal resident of North Dakota for 12 months or resides in the state with the intent to establish residency in North Dakota for a period of years;
4. A person who graduated from a North Dakota high school within five years (64 months) prior to registration;
5. A full-time active duty member of the armed forces assigned to a military installation in North Dakota;
6. A spouse or a dependent of a full-time active duty member of the armed forces assigned to a military installation in North Dakota;
7. A dependent of an instructor who lives in North Dakota and teaches at an institution of higher education in the state;
8. The spouse of any person who is a resident for tuition purposes; or
9. Any other person who has resided in North Dakota for at least three consecutive years (36 months) within the last six years (72 months).

### **INTERNATIONAL STUDENTS**

Dickinson State University is authorized under federal law to accept international students. For international students the admissions requirements are as follows:

1. Evaluation of student's passport.
2. Evaluation of the applicant's academic record (high school or college transcript)
3. Documented proficiency in the use of the English language with a minimum or higher score of one of the following: paper based TOEFL score of 525; Internet score of 71; ILETS score of 5.5 for applicants whose native language is not English. These scores requirements are subject to change, for current information please see the website: [www.dickinsonstate.edu/international\\_a.asp](http://www.dickinsonstate.edu/international_a.asp).
4. Evaluation of the applicant's financial resources. Students are required to document their sources of funding and demonstrate that they have a sponsor who can provide adequate financial support for one year of studies in the United States, at Dickinson State University.
5. Fulfillment of the same general requirements as in-state students.
6. Upon arrival, must provide proof of Tuberculosis and other immunization records.

### **TRANSFER STUDENTS**

For admission evaluation purposes a transfer student is one who has attended one or more post-secondary institutions after high school graduation. ALL STUDENTS MUST NOTIFY THE OFFICE OF ENROLLMENT SERVICES IF THEY HAVE ATTENDED ANOTHER COLLEGE. If a transfer student has completed fewer than 24 semester or 36 quarter hours of transferable credit the admission decision may be based on both the high school record and college transcripts. In such cases, the Office of Enrollment Services must receive

the student's high school transcript as well as the college transcript. Transfer students who have completed fewer than 24 semester hours or 36 quarter hours must meet the admission requirements as new freshmen.

Transfer students who have completed more than 24 semester or 36 quarter hours of transferable credit will be admitted if they are in good academic standing at their most recent institution attended. They should have a grade point average (GPA) of 2.0 on a 4.0 scale. If they do not meet the 2.0 GPA, they may be evaluated on an individual basis. Upon completion of the transcript evaluation, the student may be admitted to Dickinson State University on a full admission, probation status, or be denied admission.

Students who have graduated with an Associate in Arts Degree from a nationally or regionally accredited college or university will be considered GERTA (General Education) complete at Dickinson State University.

Note: Specific DSU general education classes which are required for certification (teacher education) or licensure (nursing) may still be required by some departments.

Transfer students who have received an Associate in Science Degree (exceptions noted below) at another institution and intend to complete a four-year degree at Dickinson State University must meet the general education requirements of this University or the requirements of the North Dakota University System General Education Requirements Transfer Agreement.

Students who have graduated from a regionally accredited institution with an Associate in Arts degree will be declared complete (\*\*) with request to their (baccalaureate degree) general education requirements.

Students who have graduated from one of the following institutions with an Associate in Arts Degree or an Associate in Science Degree will be declared complete with respect to their (baccalaureate degree) General Education requirements:

Any NDUS institution  
Miles Community College (MT) \*\*  
Dawson Community College (MT) \*\*  
Cankdeska Cikana Community College  
Fort Berthold Community College  
Sitting Bull College  
Turtle Mountain Community College  
United Tribes Technical College  
Any two-year Wyoming College \*\*  
Highline Community College (WA)\*\*\*  
Seattle Community Colleges

\*\*Must have earned a minimum of nine (9) credits (6 credits) in beginning composition and (3 credits) basic speech. Any missing credits must be completed once enrolled at DSU.

\*\*\*Associate of Arts-Option A



## **ADMISSION REQUIREMENTS**

Students who attend colleges and universities in the North Dakota University System are guaranteed that approved General Education requirements successfully completed at one of the NDUS institutions will transfer to other NDUS institutions. This practice was made possible when the State Board of Higher Education adopted the General Education Requirements Transfer Agreement (GERTA). Transfer students should consult the Office of Academic Records for information regarding this agreement.

Transfer applicants suspended from their college of last attendance will not be admitted to Dickinson State University for one full term after the suspension (the term of suspension will not include the summer term). Transfer students must request that transcripts from all previous colleges attended be sent directly from that college to the Dickinson State University Office of Enrollment Services.

For admission purposes a partial transcript is acceptable, but must be followed by complete transcripts when the student's coursework is completed.

All transfer students who have attended a college or university for one or more terms prior to transferring to Dickinson State University will have their academic transcripts evaluated as follows:

- Registrar will evaluate all general education requirements, and
- College Dean or department chair will evaluate the student's major area of study.

The above action will be taken when the student completes the application for admission and an academic transcript has been received from the student's prior school.

This evaluation is official and will be signed and dated by the person making the evaluation. Dickinson State University will accept (with noted "credit limitations" and "block credit stipulations") credit from regionally accredited institutions.

### **TRANSIENT STUDENTS**

A student enrolled at another college or university may register at Dickinson State University for one term to earn credits toward a degree at another school. If the student wishes to attend for more than one term, the complete registration process must be followed. The student may appeal the results of the transcript evaluation to the Vice President for Academic Affairs who, upon examination, may authorize adjustments.

### **FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)**

#### **Notification of Rights under FERPA for 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. The administrative procedures that follow are to be complied with by University personnel who have or accumulate educational records that are in a personally identifiable form.

If a DSU student chooses to be a "collaborative student" with another college (courses taken from another college/university while being simultaneously enrolled at DSU), FERPA confidentiality regulations do not apply during the term that the dual registration/s occurs. Therefore, colleges and universities participating in the collaborative process may exchange academic information without written permission from the collaborating student.

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

1. **RIGHT TO REVIEW:** 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, chair 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. **RIGHT TO AMEND RECORD:** The right to request the amendment of the student's education records the student believes is 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 or 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. **RIGHT TO CONSENT:** 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 school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person

## **ADMISSION REQUIREMENTS**

or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the University discloses education records without consent to officials of another North Dakota University System (NDUS) school in which a student seeks or intends to enroll.

### **STUDENT INFORMATION**

Student information is information concerning a student that may be released publicly. It includes the following: the student's name, local address, telephone listing, date and place of birth, major field of study, classification (class level and part-time or full-time), participation in officially-recognized activities, weight and height of members of athletic teams, dates of enrollment, degrees and awards received, and the most recent educational institution attended by the student.

**NOTE:** A student may request that any or all of their directory information not be made public by completing a form in the Office of Academic Records between the first and 10th day of

class in a semester (or between the first and fifth day of class in the summer session). This request will remain in effect until the student notifies the Office of Academic Records to the contrary. The specified directory information will then be treated the same as educational records information. In response to public inquiries, the University will only verify whether or not an individual is currently enrolled at the University.

### **EDUCATIONAL RECORDS**

Educational records are those records, files, documents, and other materials containing information directly related to a student's academic progress, financial status, medical condition, etc., and are maintained by the University or a party acting on behalf of the University. Educational records include more than academic records. Educational records, with the exception of those designated as directory information, may not be released without the written consent of the student to any individual, agency, or organization, other than authorized University personnel or other individuals or agencies who have a legal right to access this information.

Educational records, including but not limited to a student's academic transcript, may be released by a North Dakota University System (NDUS) institution to another NDUS institution without prior written consent, provided the student has applied for admission to the second institution.



# FINANCIAL ASSISTANCE

## **RIGHTS AND RESPONSIBILITIES OF APPLICANTS**

All students who feel they or their parents cannot adequately meet the full cost of education are encouraged to apply for student financial aid. The Office of Financial Aid is located in May Hall, Room 209.

Office hours are 7:45 AM – 4:30 PM, Monday – Friday.

Call (701) 483-2371 or toll free 1-800-279-HAWK. Fax: (701) 483-2720

## **WHO MAY APPLY**

Students applying for federal aid must meet the following criteria:

- Demonstrate financial need (as determined by the analysis process), except for some loan programs;
- Have a high school diploma or a General Education Development (GED) certificate, or meet other standards established by the State and approved by the United States Department of Education;
- 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;
- Make Satisfactory Academic Progress;
- Register with the Selective Service, if required;
- 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.

The Department of Education or Dickinson State University may require students, through a process called verification, to document the information provided on their application. If the applicant does not provide the requested documentation, Title IV 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).

## **HOW TO APPLY**

Students must complete and submit a need analysis application, the Free Application for Federal Student Aid (FAFSA). The options for completing the FAFSA: online using FAFSA on the Web at [www.fafsa.gov](http://www.fafsa.gov) or, a PDF version of the FAFSA may be downloaded at [www.FederalStudentAid.ed.gov](http://www.FederalStudentAid.ed.gov) or, call **1-800-4-FED-AID** and request a paper application.

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

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

Students applying for summer aid must complete a Summer Financial Aid application. This becomes available as soon as the summer session schedule for a given year is released. Students must be enrolled in six or more credit hours to be eligible for federal student loans, **federal work study, or for a second Federal Pell grant in one award year. 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 eligibility. The Office of 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 an Unusual Circumstances Form or by submitting a child care request form. Both forms are available at the Office of Financial Aid or under Downloadable FORMS on the website: [www.dickinsonstate.edu/financial\\_aid.asp](http://www.dickinsonstate.edu/financial_aid.asp).

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

## **WHEN TO APPLY**

The FAFSA application must be completed each year. To ensure full access to all available financial aid programs, students should submit the need analysis application as soon as the family income tax returns have been completed. (If a tax return will not be filed, students may apply any time after January 1.) Priority consideration for the North Dakota State Grant and campus-based aid (FWS, SEOG, and Federal Perkins) is given to those who have their FAFSA received by the Central Processor by March 15<sup>th</sup>.

Applications for financial aid will be accepted after March 15; however, funding may be limited to the Federal Pell Grant, Stafford Loans (subsidized and unsubsidized), and/or parent PLUS loans.

**CAUTION:** Students completing the FAFSA incorrectly or omitting necessary information may be required to correct and resubmit the SAR.

## **NOTIFICATION OF FINANCIAL AID**

Students will be notified of their financial aid by an award notice. Those who qualify may be eligible for grants, loans, and/or federal work study. Students must electronically

## FINANCIAL ASSISTANCE

accept/decline their award(s) on Campus Connection, *Campus Finances > Accept/Decline Awards*, before disbursement will be made.

Students must notify the Office of Financial Aid of changes in enrollment status or of additional resources received.

### **TYPES OF FINANCIAL ASSISTANCE**

Dickinson State University provides the following types of financial aid: grants, loans, student employment and foundation scholarships/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. 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; therefore, students must complete the FAFSA and meet the priority deadline of March 15.

**Academic Competitiveness Grant (ACG)** may be awarded to first or second year students who receive the Federal Pell Grant, attend at least half-time, and completed a rigorous high school program of study. The ACG provides up to \$750 for the first year of undergraduate study, and (if the student has at least a 3.0 grade point average at the end of the first academic year) up to \$1,300 for the second year of undergraduate study. For a list of recognized rigorous programs of study in a particular state, visit [www.ed.gov/admins/finaid/about/ac-smart/state-programs.html](http://www.ed.gov/admins/finaid/about/ac-smart/state-programs.html).

**National Science and Mathematics Access to Retain Talent (SMART) Grant** may be awarded to third and/or fourth year students who receive the Federal Pell Grant, attend at least half-time, are pursuing a specific major (Spanish, biology, chemistry, computer science, computer technology management, or mathematics), have at least a 3.0 grade point average at the end of second year and continue to maintain a 3.0 GPA at the end of each semester. The SMART Grant provides up to \$4,000 for the third and/or fourth year of undergraduate study.

[NOTE: Program funding for the ACG and National SMART Grant Programs is over at the end of the 2010-2011 award year.]

**Teacher Education Assistance for College and Higher Education (TEACH) Grant** may be awarded to students who maintain a 3.25 grade point average and agree to teach full-time (for at least four years within eight years of graduation) at a school serving a high percentage of low

income students. The students must agree to teach a specific subject (math, science, technology, engineering, a foreign language, bilingual education, special education, or as a reading specialist). The grant provides up to \$4,000 a year (not to exceed \$16,000 for undergraduates); however, if the student does not fulfill the teaching requirement, the grant funds become an unsubsidized Stafford 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 a maximum Pell Grant 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 full-time undergraduate students who are United States citizens, residents of North Dakota, and have not attended college for more than eight semesters. The grants are need-based and are dependent upon the availability of funds. Students apply by completing the FAFSA prior to March 15. For more information, visit [www.ndus.edu/students/default.asp](http://www.ndus.edu/students/default.asp) > Financial Aid.

**LOANS:** Loans must be repaid.

Federal Stafford Loan (subsidized and unsubsidized) and Federal Parent Loan for Undergraduate Students (PLUS) are available at Dickinson State University.

[NOTE: Prior to the release of the first Federal Stafford Loan disbursement, students must complete entrance loan counseling, accept the loan, and complete a **Master Promissory Note (MPN.)** The promissory note must be completed before loan funds will be disbursed.

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 Entrance Loan Counseling, are not enrolled at least half-time, or have a "hold" on their file.

**Federal Subsidized Stafford Loans** may be awarded to students who are enrolled at least half-time and have need. Subsidized Stafford Loans disbursed on or after 07/01/10 will have a 4.5% fixed rate of interest; subsidized loans

## **FINANCIAL ASSISTANCE**

disbursed on or after 07/01/11 will have a 3.4% fixed rate of interest. 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.

**Federal Unsubsidized Stafford Loan** is a non-need based program for those ineligible for (any or all of) the Federal Subsidized Stafford Loan. It has a 6.8% fixed rate of interest. 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 Federal 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 unsubsidized (minus subsidized) loan amounts for dependent students is \$31,000; the aggregate unsubsidized (minus subsidized) loan amounts for independent students is \$57,500.

[NOTE: An exit interview is required at the time a student graduates, drops below half-time status or terminates enrollment at Dickinson State University.]

**Parent Loans 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.

**Federal Perkins Loan** may be awarded according to availability of revolving funds. Federal Perkins is a campus-based loan; therefore, priority is given to students whose FAFSAs are received by the Central Processor by March 15. It is a five percent 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 (to Student Loan Service Center, P.O. 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 Stafford Loan Forgiveness

Program for Teachers. To find out more about the eligibility requirements for teacher loan forgiveness and about deferment provisions for teaching for the Stafford Loan Program as well as for the Perkins Loan Program, visit the Cancellation/Deferment Option for Teachers at [www.FederalStudentAid.ed.gov/tc](http://www.FederalStudentAid.ed.gov/tc). 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/students/default.asp](http://www.ndus.edu/students/default.asp) > Financial Aid.]

**Nursing Student Loan (NSL)** may be awarded according to availability of revolving funds. It is a five percent 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. Students need to complete a Nursing Student Loan Master Promissory Note. Entrance loan counseling must be completed every year and a statement of disclosure regarding the financial charges on NSLs must be made and signed by the borrower each time a loan award is made and at the time a repayment schedule is signed. A self certification form must be collected before funds can be disbursed. Repayment (to Student Loan Service Center, P.O. 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 \$2,500 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); the deadline is July 1.

**Short Term Emergency Loans** may be obtained under certain circumstances. Short term advances, up to \$600, for educational related expenses will only be granted to those awaiting Financial Aid. The aid must be sufficient to repay the loan. A second emergency loan will not be granted to a student who has an unpaid Short Term Emergency Loan. There is a \$10 service charge. Applications for short-term emergency loans can be obtained from the Office of Financial Aid.

**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. Paychecks are through electronic transfer 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 will

## **FINANCIAL ASSISTANCE**

receive a Student Employment Form. Federal Work Study is a campus-based program, and priority is given to students whose FAFSA is received by the Central Processor by March 15. Community service jobs such as reading tutors are available for students. Students who are not awarded FWS may apply for institutionally funded positions; information about institutional positions is available through the Office of Career Services.

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

**Dickinson State University Foundation Scholarships/Awards** are supported by gifts from friends and alumni of the University. Returning students complete a scholarship application during the designated time frame at: [http://Dickinson.imodules.com/scholarship\\_app](http://Dickinson.imodules.com/scholarship_app). The priority deadline for returning students is December 15. Transfer students and incoming students complete a scholarship application obtained from the Office of Enrollment Services. The priority deadline is February 1. Dickinson State University Foundation scholarships and awards will be disbursed in two equal allotments for the fall and spring semesters. Contact the Office of Alumni and Foundation for current listings. An external (outside the University) list of scholarships is available at: <http://www.dickinsonstate.com/pdf/finaid/externalscholarships.pdf>

**Cultural Diversity Tuition Awards** are for students who are United States citizens or permanent residents who can contribute to the cultural diversity of the University. Applications can be obtained from the Office of Enrollment Services and submitted to the Center for Multicultural Affairs.

**Global Awareness Tuition Awards** are designed to assist international students in obtaining a degree at Dickinson State. Students from a foreign country are encouraged to apply for the Global Awareness Tuition Award online at [http://www.dickinsonstate.edu/international\\_form.asp](http://www.dickinsonstate.edu/international_form.asp).

### **OTHER SOURCES OF FUNDING**

**Native American Assistance** application forms are available from a Tribal Agency or from the Office of Financial Aid at Dickinson State University.

**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 the Office of 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 serve 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 the Office of 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**

The Office of Business Affairs sends 1098-T forms the end of January. 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. A worksheet, "How the 1098-T affects the IRS and you" is available at the Office of Financial Aid or at Downloadable FORMS on the website: [http://www.dickinsonstate.edu/financial\\_aid.asp](http://www.dickinsonstate.edu/financial_aid.asp)

#### **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 Contractual Agreement is available at the Office of Financial Aid or at Downloadable FORMS on the website: [http://www.dickinsonstate.edu/financial\\_aid.asp](http://www.dickinsonstate.edu/financial_aid.asp)

#### **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 the Office of Financial Aid for more information.

## FINANCIAL ASSISTANCE

### **Disbursement of Funds**

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 Office of Financial Aid or Business Affairs. The students' account will be credited and proceeds will be disbursed by the Office of Business Affairs during fee payment.

### **Satisfactory Academic Progress Policy**

Recipients of federal student aid are required to make Satisfactory Academic Progress (SAP). Students placed on warning, probation, or disqualification will be notified by mail, and the information will be available for students to view on their *Student Center*>Holds/To Do List.

Satisfactory Academic Progress will be measured in four separate ways. The four areas to be measured will be grade point average (GPA), credits attempted vs. credits completed, maximum credits allowed, and unofficial withdrawals (students with all F's). The satisfactory academic progress for each student will be measured at the end of each semester of attendance (including summer). All credits, including transfer credits, will be used in calculating both the Quantitative and Qualitative components of Satisfactory Academic Progress.

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. At the end of the fourth semester of attendance (including attendance at other institutions), a student **MUST** have a 2.0 or better GPA. The student's current and cumulative GPA (including transfer credits) will be used to determine the academic standing.

In order to meet the minimum requirements of Satisfactory Academic Progress with respect to credits attempted; students **MUST** complete 66.667% of the credits they attempt. This percentage will be calculated for both current and cumulative credits (including transfer credits). Classes added after the eighth instructional day of the semester will be considered attempted; classes dropped after the eighth instructional day will be considered attempted but not completed.

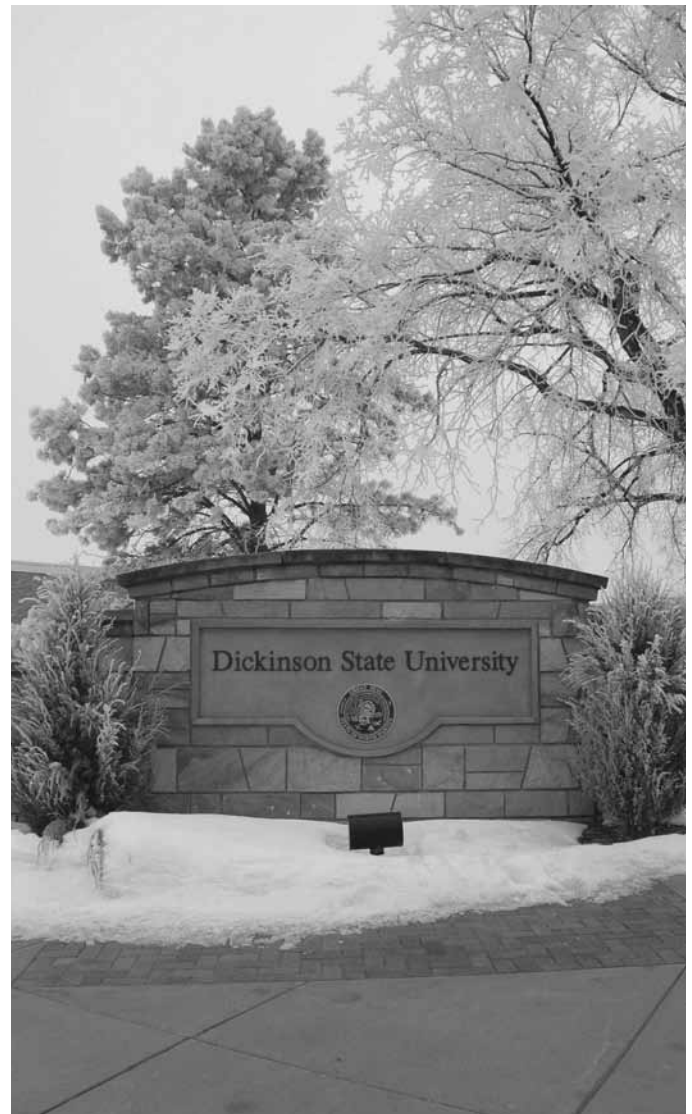
In order to meet the minimum requirements of Satisfactory Academic Progress with respect to maximum credits allowed, students must complete their program within 150% of the published length of the program. Credits considered attempted (as defined above) will be included in the calculation of progress. To assist in monitoring progress toward maximum credits, students who have attempted 125% of their program

credits will receive a warning. Students who have attempted 140% of their program credits will be on probation. Students who have attempted 150% of their program credits will be disqualified from financial aid.

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 may appeal by requesting Satisfactory Academic Progress (SAP) Appeal Form. Appeals are evaluated on an individual basis. If the Director of Financial Aid denies the appeal, the student may request further evaluation from the Appeals Committee. Action taken by the Appeals Committee will be considered final. The Appeal Form is available at the Office of Financial Aid or at Downloadable FORMS on the website: [http://www.dickinsonstate.edu/financial\\_aid.asp](http://www.dickinsonstate.edu/financial_aid.asp)

*[NOTE: Any part of this policy may be changed or revoked without notice.]*





## **FINANCIAL ASSISTANCE**

### **Withdrawal/Leave of Absence from Institution**

A student who finds it necessary to withdraw or take a leave of absence from the University must contact the Office of Student Development to receive the appropriate withdrawal card or leave of absence form. Students who withdraw from the University do not complete 66 2/3% of the credits hours attempted; therefore, students would 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 sixty percent point in an enrollment period. Unearned funds must be returned in the order specified by law. A detailed refund schedule is available in the Office of Business Affairs.

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

1. All 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 will be placed in the student's file in the Office of Academic Records.
2. Students called up to active military duty must contact the Office of Student Development to have a "Withdrawal from the University" form filed. The contact can be made electronically, by telephone, or preferably in person. Once the contact is made, the "withdrawal" form will be completed and the student will officially be withdrawn from the University through standard administrative procedures.
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 DSU 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.





# **SCHOLARSHIP INFORMATION**

## **WHO MAY APPLY**

All prospective and current students of Dickinson State University may apply for scholarships and awards that are awarded through the Dickinson State University Foundation, Inc. An applicant must intend to be a full-time student at Dickinson State University for the upcoming academic year and have a minimum grade point average of 2.0.

## **HOW TO APPLY**

Each year students must complete and sign a Dickinson State University Scholarship/Award Application. By completing this application form, students are applying for all available scholarships and awards awarded through the Foundation.

## **WHEN TO APPLY**

The Dickinson State University Scholarship/Award Application is available online at [www.dsufamily.com](http://www.dsufamily.com) starting October 1 of each year for the upcoming academic year. Students are reminded that they must complete an application for each year of attendance. Priority consideration is given to those students who have their applications on file with the Office of Alumni and Foundation for returning students by December 15<sup>th</sup> and with the Office of Enrollment Services for new students by February 15<sup>th</sup> of any given year.

## **HOW SCHOLARSHIPS AND AWARDS ARE PROCESSED**

Each academic and activity area having scholarships and awards to distribute will receive a complete listing of all students who have applied for scholarships and awards. Each area will have designated "Fund Managers" as defined by each scholarship/award, that will organize a departmental or office scholarship/award committee. The departmental or office scholarship/award committees will forward their recommendations for each scholarship or award to the Dickinson State University Scholarship/Award Committee. These recommendations will be reviewed and processed by the University Scholarship/Award Committee. The Office of Alumni and Foundation will notify successful applicants of their selection for a scholarship/award by the end of April. Annual Scholarship/Award Receptions will be held by each department or office each spring. These receptions are required in order to receive the scholarship.

## **DISTRIBUTION OF SCHOLARSHIPS AND AWARDS**

All scholarships and awards will be disbursed in two (2) equal amounts to the nearest dollar: 50 percent will be awarded at the beginning of the fall and spring semesters. Recipients are required to send a "thank you" letter or card to the donor(s). They must also submit a copy of that "thank you" letter or card which was sent to the donor(s) to the Office of Alumni and Foundation by May 1st for returning students and September 1st for incoming students in order to receive the scholarship funds.

## **MAINTAINING ELIGIBILITY**

Successful scholarship recipients must be enrolled as full-time students, be in good disciplinary standing and maintain a minimum grade point average of 2.0 in order to receive their scholarship or award. Additional requirements may apply as defined by the requirements of each scholarship/award fund. The requirement criteria for a scholarship/award will remain in force for all semesters of attendance. If an individual has a concern in meeting these requirements, he/she must contact the director of Financial Aid. For more scholarship information contact the director of the Office of Financial Aid.

For a complete and updated listing of Scholarship Funds see website location <http://www.dsufamily.com>



## **STUDENT DEVELOPMENT**

The Division of Student Development at Dickinson State University serves to support the central mission of the institution. In doing so, the primary mission of the Division is to foster student learning and development and to support students and the institution in the pursuit of excellence. The Division also seeks to offer opportunities for learning and development for the staff and faculty of Dickinson State University and for members of the larger community. In pursuing its mission, Student Development offers academic support, advising, informal counseling, health and wellness programming, financial aid services, career services, orientation and transition programming, housing, academic and social programming, international and multicultural programs, campus judicial review, and resources and programming for students' parents and their family members. Student Development also provides advising to student organizations and advocacy for student governance. The Division of Student Development offers its programs and services in a way that promotes a just, caring, inclusive, and global learning community.

### **ACADEMIC SUCCESS CENTER**

The Academic Success Center is located in the Lower Level of Stoxen Library.

Supporting academic excellence at Dickinson State University, the Academic Success Center (ASC) provides unique learning opportunities for students and faculty. ASC provides direct services to students through academic assistance, monitoring, and intervention designed to help students succeed in the university environment. ASC also works collaboratively with faculty to enhance instructional effectiveness and advising abilities. ASC provides Dickinson State University students with trained and dedicated professional staff and peer students to help any and all students with skills related to academic success. ASC offers academic assistance to the general student population as well as to specific groups of students (i.e., students in their first year of college, students eligible for Title IV TRIO programs, students still deciding a major, students with disabilities, and students experiencing academic difficulty). That assistance includes:

### **ACADEMIC ADVISING**

Freshman seminar instructors provide academic advisement to their freshman students for the entire first year. After the freshman year, students with declared majors are assigned an advisor from their major department. Transfer student are also advised by their respective departments. Sophomore students who have not yet declared a major are advised by the Academic Success Center.

The Center also provides class schedules, trial schedule forms, general education requirements worksheets, and advising sheets for most majors. Students are encouraged to use these materials to prepare for meetings with their assigned academic advisors. The Center also has Quick Guides for assistance in using the Campus Connection, as well as information on scholarships and financial aid.

### **TRiO STUDENT SUPPORT SERVICES (SSS)**

TRiO Student Support Services is a federally funded Title IV college academic assistance program. Student Support Services at Dickinson State University works to help first-generation, low income and disabled student succeed in college and persist to graduation through intensive academic planning, professional development workshops, and social interaction opportunities at no expense to participants. SSS maintains a state-of-the-art technology lab and has various items for check-out which are exclusive to participants (i.e. calculators, USB drives, headphones, laptops, GRE, GMAT, LSAT, PRAXIS I & II, NCLEX RN & PN.) The program also provides Rosetta Stone software in French and Spanish for participants.

Only 200 students can be admitted into SSS, and entrance into the program is very competitive. Students eligible to participate in a Student Support Services project must be U.S. Citizens or meet the residence requirement for Federal student financial assistance. They must be enrolled at the grantee institution or accepted for enrollment in the next academic term at the university, 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. Students must also demonstrate areas of academic need.

### **ENGLISH AS A SECOND LANGUAGE**

The English as a Second Language Program at the Academic Success Center offers assistance in acquiring American English language skills to all non-native English speaking Dickinson State University students for a nominal fee. The English as a Second Language Program is staffed by a professional ESL Specialist/Program Developer who has many year of instructing, assessing, evaluating and program development experience. The program provides integrated and progressively more advanced ESL instruction in reading, speaking, listening and writing; *ad hoc* ESL intervention when needed; and appropriate ESL assessments and evaluations. International and other non-native English speaking students may be placed in ESL courses based on their Compass placement scores. The ESL Program goal in to ensure that international and other non-native English speaking students enrolled at DSU received the language intervention services support they need to succeed in their classes.

### **FIRST YEAR EXPERIENCE**

ASC also works closely with faculty and other staff at Dickinson State University to present the First Year Experience program. The first-year experience at Dickinson State University helps students become independent learners able to articulate and successfully pursue their own educational and personal goals. While not all students' definition of success is defined by degree attainment, the first-year experience at Dickinson State University seeks to promote retention and persistence for those students who aspire to attain a degree.

## **STUDENT DEVELOPMENT**

The First Year Experience Program at Dickinson State University is designed to engage students in college life and to assist them in transitioning from high school to college.

Students will begin their first year at Dickinson State University by participating in the summer **pre-registration** program. At this day-long program, students will take placement tests, be advised by their respective department chairpersons, and will register for classes. They will also receive information on financial aid, billing procedures, campus housing, student activities, and a variety of other topics. Parents will participate in their own program to learn about campus life and the expectations Dickinson State University has for its students.

At the beginning of the fall semester, a formal **orientation** program is held, consisting of both academic events and recreational opportunities. Students can participate in numerous activities designed to help acquaint them with the campus, college life and their fellow students.

New freshman students are enrolled in **Freshman Seminar**, a class designed to help them transition from high school to college and to be successful. The class will help students develop sound academic skills such as note-taking, test preparation, and study skill, as well as acquaint them with the various service offices on campus. Students will also learn to use the academic library. Self-awareness, personal responsibility, civic engagement and an appreciation for diversity are also stressed in the seminar.

Some departments participate in **Learning Communities**, which consist of linked courses designed to assist new students in adjusting to college life and forming friendships with other students in similar fields of study. Learning communities also provide students with the opportunity to integrate knowledge across classes.

### **PEER TUTORING**

The Center offers extensive peer tutoring in a variety of disciplines. Upper-class students with demonstrated abilities in a variety of areas are recruited and trained by the Center to serve as tutors. Students may view the tutoring options and make an appointment to meet with a tutor through the online scheduling software.

### **STUDENTS WITH DISABILITIES**

Students with documented disabilities who believe they may need accommodations as a student of Dickinson State University are encouraged to contact the Coordinator of Disability Services in the Academic Success Center. Services may include testing accommodations, taped textbooks, note-taking services, readers, an adjustment in classroom, food service or housing arrangements. Denial of accommodations can be appealed to the Vice President for Student Services.

### **SUPPLEMENTAL INSTRUCTION**

Supplemental Instruction is available in a limited number of courses, and consists of group tutorials and additional class sessions for their students experiencing difficulties. There may be an additional fee attached to Supplemental Instruction depending upon the course.

### **WRITING AND MATH CENTERS**

Located within the Academic Success Center the, Writing and Math Centers provide general assistance to students who are having difficulty in these areas. The Writing Center provides assistance for all subject areas where writing is assigned, and can help with selection of topics, research, grammar, and citation styles. The math Center provides tutoring, supplemental instruction, and general assistance to students in lower-level and historically-difficult math classes.

### **TESTING/PLACEMENT**

Students scoring at or below an equivalent of 18 on the ACT English subtest or a combination of the ACT Writing test and criterion online evaluation will be placed in ENGL 100, Basic Writing and not allowed to register for ENGL 110, English Composition. Students scoring at or below 22 on the ACT Math sub-test or DSU campus assessment will be placed in MATH 102, Intermediate Algebra and not allowed to register for MATH 103, College Algebra.

### **WORKSHOPS**

The Center provides in-class workshops on note-taking, effective reading, and other academic skills upon the request of the instructor. Workshops may also be offered in response to demonstrated need in other areas, including plagiarism, academic citation, test anxiety, and other topics.

Professional development opportunities for faculty are also made available through the Center in such areas as first-year experience, retention, effective advising, and diversity.

### **CAREER SERVICES**

The Office of Career Services, located in May Hall, room 111, provides students with the knowledge to make informed choices regarding career opportunities. The office assists students in exploring their full range of life and work possibilities. Career Services also functions as the central placement and job referral service for all alumni, current graduates, and students seeking part-time and full time employment.

### **CAREER ASSESSMENT AND EXPLORATION**

As a means for helping students to identify and pursue their career goals, Career Services first assists students in assessing their skills and interests, thinking about experiences they enjoy, and developing an understanding of their personality and values. Career Services also helps students to determine the relationship between their skills and interests and potential career fields. Important in this process is helping students

## **STUDENT DEVELOPMENT**

find out about the educational requirements, salary, working conditions, and future outlook of the fields in which they are interested.

Career Services uses tools such as the Predictive Index Survey, which measures basic personality and behavior patterns, and then links the patterns to possible career choices. Another tool, the Discover Program, a computer-based planning system provides students with a developmental guidance process and a comprehensive database of educational and occupational information to help them make important career and educational decisions.

### **JOB PROCUREMENT SKILLS AND EMPLOYMENT**

Career Services offers a wide variety of information on resumes, cover letters, and interviewing skills. A great bonus students can take advantage of is Career Services' capabilities to critique their resumes and cover letters. A comprehensive library is maintained on employment literature, including employer directories, vacancy listings, resume and interviewing guides, and videos. The office also provides students with access to current part-time and full time employment openings locally and across the nation. Resumes may also be posted on the Career Services website. Workshops are offered on Career Assessment, Career Exploration, Job Search, Resume Writing, and Interviewing Skills.

### **INTERNSHIP CENTER**

Internships can provide students with an excellent opportunity to link classroom learning with experiential learning and to explore possible career fields. Internships require the cooperation and participation of the student, a faculty member, and a host site. The Internship Center in Career Services can assist students in identifying or developing internship opportunities and in helping students prepare an internship proposal for consideration by a faculty member.

### **COOPERATIVE EDUCATION**

Recognizing the need for students to develop professional skills and acquire real world work experience prior to graduation, the Division of Student Development advocates cooperative education as a viable alternative for students wishing to enhance and expand their academic experience. Cooperative education is a partnership among Dickinson State University, its students, and designated area employers with specified responsibilities for each party. Employment through cooperative education is structured and monitored by the Office of Career Services. Students may receive university credit by enrolling in ASC297/ 497 and completing the necessary requirements of their placement.

### **CREDENTIAL FILES**

Graduates may establish a credential file, which will be mailed to prospective employers with the graduate's consent. This file consists of a personal data form, recommendations and a transcript. This file is a powerful job-seeking tool and works nicely to complement a resume and cover letter.

### **JOB FAIRS**

Each spring, the Office of Career Services sponsors a Job Fair on Campus. This provides excellent opportunities for students and community members to meet face-to-face with some of the area top business employers.

For education majors, Career Services cooperates with other North Dakota universities to sponsor a state education career fair, called the Education Connection. This fair is held in Grand Forks, ND.

### **GRADUATE SCHOOL INFORMATION**

Career Services is also a source of information on Graduate Schools. The office houses many graduate catalogs from universities across the United States and can help students by providing them with information on determining their graduate school goals and objectives.

The Office of Career Services hosts a Graduate School Fair in the Fall semester. Some of the panel topics covered are: Why go to graduate school? How to pick a graduate school? How to finance graduate school? How to manage graduate school, a job and your family. The dos and don'ts of applying to graduate school. Graduate schools are also invited to campus for a fair where students and the general public can visit with the graduate schools on an individual basis.

### **MULTICULTURAL AFFAIRS**

The Center for Multicultural Affairs serves all students, staff and faculty at Dickinson State University. The Center offers a place to relax, study, and socialize. Its purpose is to increase international awareness and understanding within the university community and in the city of Dickinson and surrounding area. The Multicultural Affairs staff provides support, advocacy and referrals for nearly 400 international students from over 30 countries and culturally diverse students from all regions of North Dakota and the United States.

### **RESIDENTIAL LIFE**

The Residential Life program and facilities at Dickinson State University are designed to provide the resident student with a comfortable, attractive, and dynamic place in which to live and learn. A variety of educational, cultural, social, and recreational programs are presented to enhance the residential experience, and Residential Life staff work with student residents to create an environment which facilitates personal growth, provides a sense of community, and encourages academic excellence.

### **HOUSING POLICY**

The University feels (and research supports) that students have a better opportunity to succeed in college if they are residents of campus housing. Therefore, Dickinson State University housing policy requires all students who are under the age of 21 and who have completed fewer than 60 credit hours by the beginning of the Fall 2010 semester to sign a contract for room and board for the 2010-11 academic year. Students reaching the age of 21, or acquiring 60 or more

## STUDENT DEVELOPMENT

completed credit hours during the first semester may request to have the contract terminated at the end of the fall semester. Students requesting exemption from this policy must do so in writing. Approval of requests for exemption from this policy is at the discretion of Residential Life. Reasons for approval for exemptions may include: students living locally (within 25 miles of campus) with parents, immediate relatives, or guardians; married students; single parents with one or more dependents; and students with extenuating personal or medical conditions.

### RESIDENCE HALLS

Dickinson State University maintains three traditional residence halls for approximately 450 students. The majority of rooms are designed for shared occupancy, however based on space and availability; students may be able to have a shared room as a single at a higher cost. Rooms in these halls include furnishings (bed, dresser, desk and desk chair), broadband access to Internet, basic telephone service (dial tone and local service, long distance calls not included), basic cable service, utilities included, free laundry facilities, and access common recreation and study rooms.

The University also maintains three apartment complexes adjacent to campus. Main Campus apartments offer 24 shared apartments housing 72 students. Miller Apartments offers six apartments housing 12 students. Preference for housing assignment to either Main or Miller Apartments is offered to upperclassmen; freshmen are typically not assigned to either of these facilities. Altringer Apartments offers housing for 52 students and gives preference to students participating in the Theodore Roosevelt Honors Leadership Program. Main, Miller, and Altringer Apartments feature kitchens (including refrigerator/freezer, stove, sink, counter and cabinet space), living rooms, private bathrooms, furnishings (bed, dresser, desk and desk chair), broadband access to Internet, basic telephone service (dial tone and local service, long distance calls not included), basic cable service, utilities included, and free laundry facilities.

### NORTH CAMPUS APARTMENTS

In addition to the residence halls and Main, Miller, and Altringer Apartments, Dickinson State University offers housing for students and students with families in the North Campus Apartments. This facility is located several miles north of campus, and assignment to North Campus Apartments is typically reserved to students who are upperclassmen and students with families.

Rental arrangements for this facility are based on whether the resident is assigned as a single student or as a student with family. Rental arrangements for single students are made in the same way as those for student living in the other residential facilities, except that they are not furnished (basic telecommunications services and utilities included; meal plan required). Rental to students with families is based on a monthly rental rate for an unfurnished apartment.

### 2010/2011 ROOM RATES

Residence hall room rates and rental charges for family housing in North Campus Apartments for each academic year are published annually in the Student Guide publication, which can be found in the Student Center. The table below indicates the Fall 2010/Spring 2011 room rates at DSU. One half of the rate is billed per semester.

*All fees are subject to change without notice.*

Type of room	Fall 2010/Spring 2011 rate
Altringer Apartments (shared)	\$1,735
Altringer Apartments (single)	\$2,398
Delong Hall (shared)	\$1,690
Main Campus Apartments	\$1,690
Miller Apartments (shared)	\$1,735
Miller Apartments (single)	\$2,398
North Campus Apartments	\$1,735
Selke Hall	\$1,690
Woods Hall (shared)	\$1,690
Woods Hall (single)	\$2,398

Rental charges for the Fall 2010/Spring 2011 academic year for family housing in North Campus Apartments are shown below.

Type of apartment	Fall 2010/Spring 2011 rate
One-bedroom	\$446
Two-bedroom	\$532

### FOOD SERVICE

Dickinson State University provides food service through Sodexo, a professional company that specializes in school and college food service management. While the University is in session, food service is provided at the Student Center through either the cafeteria or the snack bar.

Type of plan	Fall 2010/Spring 2011 rate
Monday-Friday (5 days) 10 meals/week w/\$100 flex per semester*	\$2,784
Monday-Friday (5 days) 15 meals/week w/no flex \$	\$2,784
Monday-Sunday (7 days) 19 meals/week w/no flex \$**	\$3,028
65 meals/semester w/\$50 flex per semester	\$893

Students living in campus residence halls (excluding those renting as students with families in North Campus Apartments) are required to participate in a campus board

## STUDENT DEVELOPMENT

plan. Students living in the three traditional residence halls must choose from one of three options for a five-day per week or seven-day per week meal plan; students living in the apartments (Main, Miller, Altringer, or North Campus) may also select a fourth meal plan option providing 65 meals per semester.

Students living off campus are welcome to purchase meals with cash at either the cafeteria or snack bar, but purchasing a meal plan may be a more economical alternative. Students living off campus may purchase special meal plans through the University's Office of Business Affairs.

Board rates for the academic year are located in the Student Guide publication. One half of the rate is billed per semester. The table below indicates the Fall 2010/Spring 2011 room rates at DSU.

*All fees are subject to change without notice.*

\* Flex dollars may be used for purchases in the snack bar.

\*\* Two meals, brunch and dinner, are served on Saturday and Sunday.

### HOUSING FEES

Students must pay housing and board fees by the fee payment day of each semester. Housing and board fees are subject to change with one semester's notice.

### REFUND OF ROOM AND BOARD

Students who must withdraw from the University (or those receiving approval from Residential Life to vacate their room and board contract for other reasons in accordance with existing Residential Life policies) and who complete a proper check out from the residence halls (in accordance with Residential Life policies) may receive a refund of the unused portion of their room and board contract. Any refund of the unused portion would be on a pro-rated basis based on the date of check out from the residence halls in accordance with the following schedule:

If the student checks out during	Room refund
1 <sup>st</sup> week of classes	95%
2 <sup>nd</sup> week of classes	90%
3 <sup>rd</sup> week of classes	80%
4 <sup>th</sup> week of classes	75%
5 <sup>th</sup> week of classes	70%
6 <sup>th</sup> week of classes	65%
7 <sup>th</sup> week of classes	60%
8 <sup>th</sup> week of classes	50%
9 <sup>th</sup> week of classes	45%
10 <sup>th</sup> week of classes	40%

If the student checks out during	Board refund
1 <sup>st</sup> through 7 <sup>th</sup> class days	90%
8 <sup>th</sup> through 15 <sup>th</sup> class days	80%
16 <sup>th</sup> through 20 <sup>th</sup> class days	70%
21 <sup>st</sup> through 30 <sup>th</sup> class days	60%
31 <sup>st</sup> through 40 <sup>th</sup> class days	50%
41 <sup>st</sup> through 50 <sup>th</sup> class days	40%
51 <sup>st</sup> through 60 <sup>th</sup> class days	30%
61 <sup>st</sup> through 65 <sup>th</sup> class days	20%
66 <sup>th</sup> through 75 <sup>th</sup> class days	10%

### SMOKING POLICY

All residence halls are smoke-free. Students who chose to smoke will need to do so outside. This policy is subject to change in accordance to current university policy.

### STUDENT HEALTH SERVICES

Student Health Service is located in Stickney Hall, room 114. Health education and promotion of healthy college lifestyles serve as the foundation of the Student Health Service program. A registered nurse is on duty from 8:00 a.m. to 12:00 noon weekdays to provide general health services. Services include: health assessment, screening and monitoring, immunizations and first aid. Nurse practitioners are on duty eight hours per week; a schedule for the nurse practitioners is posted on the door of the Health Service. Nurse Practitioners provide services including: physicals, women's health, wound care, prescribing medications, ordering lab or X-ray, and much more.

A local physician serves as physician advisor/collaborator for the Student Health Services. Referrals are also made to the local clinics and emergency room physicians as needed. In addition, the University has a policy designed to prevent the spread of significant diseases. This policy can be found in the Student Guide.

All students who are registered at Dickinson State University may use the service. There is no charge for visits to the health service. There is a nominal charge for certain vaccinations. The health service is supported through student fees.

The Student Health Services will not provide a student with a written excuse from classes. It is the student's responsibility to arrange an excuse with the instructor.

### WELLNESS PROGRAM

As a service of the Division of Student Development, DSU offers a campus wide Wellness Program. This Wellness Program combines the physical, intellectual, emotional, social, occupational and spiritual dimensions into a program of active learning with the goal of achieving lifelong well being.

## **STUDENT DEVELOPMENT**

In addition to offering a regular schedule of exercise classes, special events, classroom presentations, group discussions and individualized consultations, the Wellness Program coordinates the following programs:

**Alcohol Awareness through the Arts:** This is an annual program that uses creative writing, dance, music, theatre and visual art to stimulate discussion and critical thinking on our campus about potential negative consequences of binge drinking.

**The Peer Educators Program:** This is a group of students trained to educate, confront, listen to, and help their peers make healthy lifestyle choices. Students choosing to participate in the Peer Educators Program are trained through Bacchus/Gamma Peer Education Network and receive a national certification.

For more information on any of the Wellness Program offerings please call the Wellness Program office at (701) 483-2194 or check the web site at [www.dickinsonstate.edu/wellness/](http://www.dickinsonstate.edu/wellness/).

### **STUDENT ACTIVITIES**

The University recognizes the need to provide a well-rounded slate of activities and experiences outside of the classroom. The Office of Student Activities works closely with many Dickinson State University clubs and organizations to offer a variety of activities that attempt to meet the programming and entertainment needs of a diverse campus population. In particular, the Office of Student Activities has primary responsibility for the Campus Activity Board and Intramural Athletics. These two organizations program and schedule the vast majority of student entertainment programs outside of the classroom with funding by student activity fees.

### **CLUBS AND ORGANIZATIONS**

To increase their involvement on campus, students can choose from a wide array of student activities. For a complete listing of active student clubs and organizations on campus see the website location [www.dickinson.edu/clubs.asp](http://www.dickinson.edu/clubs.asp) or the Student Guide Publication available at the Office of Student Development in the Student Center.

### **STUDENT CENTER**

The Student Center serves as the community center for all Dickinson State University students, faculty, staff, administration, alumni, and guests. As the living and dining room on campus, the center provides services, conveniences, and amenities that members of the university community need in their daily lives apart from the academic curriculum.

Both the cafeteria and the snack bar are located in the Student Center. Other amenities include a game room, lounge, fitness center, swimming pool, conference rooms, and ballrooms. Located in the Student Center are: Office of Residential Life, Sodexo-Marriott Food Services, Office of Student Activities,

Student Development (including the Office of the Vice President for Student Life), and the Student Senate.

### **INTERCOLLEGIATE ATHLETICS**

The Dickinson State University Blue Hawks are members of the Dakota Athletic Conference (DAC-10), the National Association of Intercollegiate Athletics (NAIA), and the National Intercollegiate Rodeo Association (NIRA).

Men and women who are attending the University and who have met eligibility requirements may participate in:

#### **Men**

Football  
Cross Country  
Basketball  
Indoor/Outdoor Track  
Golf  
Baseball  
Rodeo  
Wrestling

#### **Women**

Volleyball  
Cross Country  
Basketball  
Indoor/Outdoor Track  
Golf  
Softball  
Rodeo

For more information, contact the Office of Intercollegiate Athletics, Wienbergen Hall, room 1, 701-483-2181.

### **INTRAMURAL ATHLETICS**

Intramural sports are available for both men and women throughout most of the year. Scott Gymnasium, Wienbergen Hall, the Student Center, Whitney Stadium, and surrounding athletic fields provide students with some of the best athletic facilities in the upper Midwest. Students also have the opportunity to travel to other parts of the upper Midwest for regional competition in certain intramural sports programs. Intramural sports that are offered include: Indoor Soccer – Dodge Ball – Ping Pong Tournaments – Basketball – Men/Women – Volleyball – Softball

### **STUDENT GUIDE**

Additional information concerning all of the relevant policies and procedures concerning security, campus safety, and information regarding the reporting of crimes occurring on the Dickinson State University campus. The Student Guide is distributed in the Fall semester of each year and is also available on the Dickinson State University web site at [www.dickinsonstate.edu/Guide.asp](http://www.dickinsonstate.edu/Guide.asp).



## **BUSINESS AFFAIRS**

### **TUITION AND FEES**

Tuition and fees will be collected at the Office of Business Affairs, May Hall, room 107, approximately the 10th day of class each semester. Specific days will be published in the registration materials. Tuition and fee bills will not be sent prior to the day payment is due. Tuition and fees not paid on the designated days will be assessed a late fee. 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 are subject to change without notice.**

#### **Tuition (per semester)**

Resident Tuition .....	\$ 2,080
South Dakota, Montana, Saskatchewan, and Manitoba Non-Resident Fees .....	\$ 2,560
Minnesota Non-Resident Fees .....	\$ 2,175
Western Undergraduate Exchange (WUE*) .....	\$ 3,020
All Other Non-Resident Fees.....	\$ 5,553

#### **Other Mandatory Fees (per semester)**

University Fee .....	\$ 271.00
Student Government Activity Fee.....	\$ 60.00
Technology Fee .....	\$ 72.00
Connect ND Fee.....	\$ 81.00
NDSA Fee .....	\$ .36
Badlands Activity Center Fee .....	\$ 60.00

#### **Special Course and Program Fees**

The Department of Nursing and the Department of Teacher Education programs require certification fees and program testing which students register and pay for independently.

Special course fees apply only if a student is enrolled in courses with published special course fees.

Nursing Program Fee, per semester (Baccalaureate Completion Program)	\$ 150.00
Nurses' Fee (insurance and laboratory, clinical) AASPN Program, per semester	\$ 100.00
Computer Fee, per credit hour	\$ 5.00
Natural Sciences Lab Fees, per laboratory course, per semester.	\$ 20.00-30.00

#### **Miscellaneous Fees**

Application Fee (non-refundable)	\$ 35.00
Audit Fee, per semester hour (non-refundable) Resident	\$ 86.66
Course Challenge Fee, per semester hour (non-refundable) Resident	\$ 86.66
Parking Fee, per academic year	\$ 30.00
Recording Fee, per semester hour	\$ 50.00
International Student Health Insurance Fee	\$ 950.00

Several courses have laboratory fees. Check the registration materials for special course laboratory fees.

There is a \$30 fee for each check returned for lack of sufficient funds. In addition, the student will have to pay the regular late registration fee if satisfactory payment is not made before courses begin. All costs incurred in the collection of financial obligations to the University will be the responsibility of the student.

Dickinson State University will not release official transcripts until all financial obligations are paid.

### **REFUNDS FOR TUITION AND FEES**

The student who registers at Dickinson State University and later plans not to attend must provide the Office of Academic Records a written request that he/she be dropped from the University's rolls. A student who does not attend, will be responsible for all tuition and fees if he/she does not submit such a request.

For students who must withdraw from school after registration of the fall or spring semester, the following refunds will be made upon presentation of an official withdrawal card to Business Affairs.

The percentage of refund is based upon class length for percentage rates, please contact the Office of Business Affairs in May Hall Room 107 or call 701-483-2328.

Students who drop a course or courses and remain in school with fewer than 12 hours will receive refunds based upon the following schedule:

First seven class days .....	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 at no charge.

### **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 his/her own vehicle at the Division of Business Affairs, May Hall, room 107.

A parking fee of \$30 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 Division of Business Affairs. Replacement parking permits may be purchased at the Division of Business Affairs for \$2.00 if a student changes vehicles or has lost his/her parking permit. Temporary parking permits may be obtained at Business Affairs for a vehicle that is to be parked on campus for only a few days. All parking permits must be displayed on the driver's side of the rear bumper.



## **BUSINESS AFFAIRS**

### **General Regulations**

1. Parking areas:
  - a. Employee Parking: To be used by Dickinson State employees only (does not include student employees)
  - b. Visitor Parking: Not to be used by either students or employees.
  - c. Open Parking: Areas not designated as visitor or employee parking.
  - d. Pulver Hall west parking lot: Not to be used by students or employees.
  - e. 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.
  - f. Vehicles may be towed at owner's expense for purposes of snow removal if parked in an area not designed for overnight parking.
2. Drivers of vehicles shall yield the right of way to pedestrians.

### **PENALTIES AND ENFORCEMENT**

Fines for violations of parking regulations on campus are \$10, except for visitor violations which are \$20. However, the fine may be reduced to half if paid by the end of the third school day following the day the violation was issued, except for visitor violations which remains at \$20. Fines for parking in designated handicapped parking areas are \$100 which may be reduced to \$50 if paid by the end of the third school day following the day the violation was issued.

Appeals on parking violations must be brought to the Division of Business Affairs within three school days of their receipt. After three school days, absolutely no violations will be waived for any reason.

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

### **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.

#### **I. Critical Thinking Skills**

Students will demonstrate critical thinking in a variety of contexts for lifelong learning.

#### **II. Communication and Technology Skills**

Students will demonstrate proficiency in communication skills in a variety of forms including the effective use of current technologies and other information resources.

#### **III. Multicultural and Global Experience**

Students will demonstrate knowledge of national and international multiculturalism and the importance of global citizenship.

#### **IV. Aesthetic Experience**

Students will demonstrate knowledge of the arts and humanities including participation in artistic activities.

#### **V. Discipline Based Knowledge**

Students will demonstrate discipline-specific knowledge and career skills related to their field/s of study.

#### **VI. Health and Wellness Knowledge**

Students will demonstrate knowledge of the importance of health, wellness, and maintaining a healthy lifestyle.

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 such as pre- and post-testing, portfolio development, and capstone courses including exit exams in major fields is mandatory for all students as part of the University's academic experience.

All candidates for graduation (Bachelor's Degree only) must review Dickinson State University's assessment requirements.

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

#### **Participation in Writing Across the Curriculum (WAC)**

All Dickinson State students seeking a certificate, associate, or baccalaureate degree will participate in the University program to develop writing skills. This program is called "Writing Across the Curriculum" and involves completing a minimum number of credit hours in coursework that includes intensive written assignments and the development of writing skills.

All major programs will include writing intensive courses and a capstone course that includes extensive student writing. As part of this program, the required college composition courses (ENGL 110 – College Composition I and ENGL 120 – College Composition II) will be completed no later than the sophomore year with mandatory enrollment during the first year of college. Successful completion of these two basic composition courses are necessary pre-requisites for enrollment in any 200, 300 or 400 level writing intensive courses.

The Dickinson State University Writing Across the Curriculum Project has endorsed the following goals:

1. To measurably increase the use of the writing as a teaching and learning technique in the Dickinson State University curriculum.
2. To implement sequences of writing activities within the Dickinson State University curriculum.
3. To implement entrance evaluation of students' reading and writing skills, and to offer appropriate placement to entering students.
4. To introduce students to the kinds of academic and professional writing performed in specific disciplines.
5. To improve student writing for a general, college-educated audience, and to enhance future employability.
6. To provide cultural and professional communication models for a cross-section of the University community including parents and families of students.

This project is ongoing. Each student will complete the six semester hours of College Composition I and II (or Honors Composition) required in the general education component. Each department will develop or designate 12 semester hours of writing intensive course/s within the courses required for each major at the 200, 300, and 400 levels of coursework. Each capstone experience required for degree majors will include sufficient writing components to meet the writing intensive standards. Thus, students will have specific points in their undergraduate careers which will emphasize the development and application of writing skills across the academic curriculum and have a minimum of 18 semester hours of writing intensive courses for all baccalaureate degrees, and nine semester hours of writing intensive courses for all associate degrees.

#### **Student Evaluation of Faculty and Courses**

Student evaluation of faculty and courses is an important part of DSU's learning outcome assessment program plus 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 DSU website. All student responses on the faculty course evaluations will be confidential and used by the University for the purposes cited above.

## ACADEMIC AFFAIRS

### **CREDIT VERSUS CONTACT HOURS EQUIVALENCY**

**Lecture Credit:** One hour of credit is assigned to a class that meets 50 minutes per week, once per week, over a 15 week semester. Therefore, a one hour course would then consist of 15 hours of contact time per semester. A three-hour course would then meet for 45 contact hours during a 15 week semester. This is the standard Carnegie unit of lecture credit used nation-wide.

**Science Lab Credit** (biology, chemistry, physics): 1 hour of credit = 2 hours of student contact time in the lab per week. Therefore, a one-hour lab would consist of 30 hours of student time in the lab setting during a 15-week semester; a two-hour lab would consist of 60 contact hours. All lab courses (1 – 2 credits) are separate from the corresponding lecture courses in the specific science which are generally 3 credit courses.

**Studio Art** (ceramics, drawing, oil painting, printmaking, photography, sculpture, watercolor.)

**Lecture:** One hour of lecture credit is equated to 50 minute of class time per week for 15 weeks = 15 contact hours (the standard for one hour of lecture credit.)

All studio/lab courses have a built-in studio/lab component that follows the National Association of Schools of Art and Design (NASAD) guidelines: one hour of credit must have 3 hours of “access” or studio time. DSU studio art courses which are generally 3 semester hours of credit will typically have 2 hours of lecture (2 contact hours) and 1 hour of lab (3 contact hours in the studio.) A student enrolled in a 3 credit hour course that meets 3 times per week will spend 5 contact hours in class/studio or, 83 minute per class session. The studio art courses are scheduled for one and a half hour blocks (90 minutes) three times per week to meet this requirement. If the lecture versus lab component varies in the course, the art studios are open for student use 16 hours per day so that they can work on projects and meet the 3 hours contact to 1 hour of credit ratio. A 3 credit hour course composed of all studio time should have the 135 hours of time spent in the studio during a 15 week semester according to the NASAD guidelines.

### **Music**

**Lecture:** Standard lecture credit (1 hour of credit = 15 contact hours)

**Instrument Classes:** DSU follows the National Association of schools of Music (NASM) guidelines - one hour of credit for every 2 hours of contact, once a week for 15 weeks. A student receiving one hour of credit in an instrument class would be having 30 hours of student contact during the semester. These courses are offered for a variety of instruments (clarinet, trumpet, etc.) including voice, each course being offered for one credit.

**Applied Lessons:** The NASM guidelines are followed – 1 hour credit = ½ hour of recitation and 2 ½ hours of outside

practice every week for 15 weeks. One hour of credit would equate to 45 student contact hours during the semester. One hour courses are offered at all 4 levels (freshman through senior) for a variety of instruments including voice.

**Ensembles and Performance:** NASM guidelines – 1 hour of credit for 2 hours of performance (jazz ensemble, concert band) every week for 15 weeks. One hour of credit equates to 30 student contact hours during the semester.

### **Nursing**

**Lecture:** Standard lecture credit (one hour of credit = 15 contact hours)

**Clinical Course Credit:** One hour of credit equals 3 contact hours per week x 15 weeks. For one hour of credit in a nursing clinical, the student puts in 45 contact hours per semester. This standard is used for both the ASPN and BSN programs and is common with all nursing clinical courses statewide. The senior level nursing course Practicum Clinical (NURS 498B) for 6 credit hours requires 270 student contact hours during the semester [6 cr. hrs x 3 contact hrs. x 15 weeks = 270 total contact hours.]

### **INTERNSHIPS**

All discipline internships at DSU can be taken at either the 200 or 400 levels and are for variable credit (1-6 hours, a maximum of 12 hours of internship is allowed to apply toward graduation) depending upon the major program requirement. All internship hours of credit are equated as follows: 1 hour of credit = 40 hours of work (student contact hours) during the 15-week semester. So, if a student needs 3 hours of internship credit, a placement is made that stipulates 120 hours of work must be completed during the semester.

### **BACCALAUREATE DEGREE REQUIREMENTS REGARDING UPPER DIVISION COURSEWORK**

All baccalaureate degree graduates must have earned a minimum of 32 semester hours of credit upper division (300-400) coursework, either from Dickinson State University or at some other four-year institution.

### **DECLARATION OF MAJOR**

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

### **Major/Minor Minimum Credit Requirements**

All **Majors** must consist of a minimum of 32 semester hours, 18 hours must be from DSU.

All **Minors** must consist of a minimum of 21 semester hours, 12 hours must be from DSU. (Teacher Education minors must consist of a minimum of 24 semester hours).

A student cannot minor within their major field of study.

## ACADEMIC AFFAIRS

### **CURRICULA**

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

Dickinson State University awards the following degrees:

Bachelor of Applied Science  
Bachelor of Arts  
Bachelor of Science  
Bachelor of University Studies  
Bachelor of Science in Education  
Bachelor of Science in Nursing  
Associate in Arts  
Associate in Applied Science  
Associate in Science

The University also offers non-degree curricula in pre-professional programs, vocational training, and extension work.

### **BACHELOR DEGREES COMPOSITE DEGREES**

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

### **BACHELOR OF ARTS DEGREES**

The Bachelor of Arts program is a liberal arts curriculum designed to encourage a knowledge of Western culture, to promote a proficiency in the skills of writing and speaking, and to provide for concentrated study in a major and a minor area.

General Education -See the requirements listed in the General Education.

Major and Minor – A major and a minor program of study are required for the Bachelor of Arts degree. 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.

All Bachelor of Arts graduates must complete 16 credit hours of foreign language studies. The 16 credit hours can be in one language or in multiple languages. ASL credits may also be used to meet this requirement.

### **BACHELOR OF SCIENCE DEGREES**

Students seeking a Bachelor of Science degree may choose a major from the Department of Business and Management, Department of Natural Sciences, or Department of Mathematics and Computer Science. A minor is also required for graduation unless the major consists of 56 or more credit hours.

### **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 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.

**Requirements** – All BUS students must:

1. Meet all the criteria for graduation, including the general education requirements expected in other degree programs.  
*Note:* The major for all B.U.S. 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 128 semester hours;
3. Earn at least 32 semester hours from Dickinson State University;
4. Earn at least 32 semester hours in upper-division (300-400) courses; and
5. Apply for the BUS degree through the Office of Academic Records.
6. The Director of Academic Records or the Dean of Extended Learning will serve as the academic adviser.

### **BACHELOR OF APPLIED SCIENCE DEGREE**

The Bachelor of Applied Science Degree is a baccalaureate completion program that builds on an Associate in Applied Science Degree (AAS). This allows the applied technology aspect of the AAS degree to be used as the major for the Bachelor of Applied Science.

### **BACHELOR OF SCIENCE IN EDUCATION DEGREES**

The Bachelor of Science in Education curriculum offers two programs for teaching in elementary (1-6, K-6) and secondary schools (7-12).

**Elementary Education** – The Bachelor of Science in Education degree, with a major in Elementary Education, includes General Education courses, professional education courses, the areas of proficiency, a minor or two areas of concentration, and elective courses.

## ACADEMIC AFFAIRS

### Approved minors include:

Art Education	Mathematics Education
Biology Education	Music Education – Choral
Chemistry Education	Music Education – Instrumental
Coaching	Physical Education
Computer Science Education	Political Science
Communication Education	Psychology
Earth Science Education	Science Education
English Education	Social Science Education
Geography	Sociology
History	Spanish Education
Theatre Education	

Professional elementary education requirements and areas of proficiency are listed under the Department of Teacher Education.

**Secondary Education** – 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, the minor 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. Due to the federal No Child Left Behind legislation, students are encouraged to consider completion of two teaching majors rather than a teaching major and a teaching minor.

### **Major Fields Are:**

\*(Students completing a composite major are not required to complete a minor.)

Art Education	Music Education – Instrumental and Choral Composite*
Biology Education	Music Education – Instrumental Music
Business Education	Physical Education
Chemistry Education	Science Education Composite*
Communication Education	Social Science Education Composite*
English Education	Spanish Education
History Education	Technology Education (in cooperation with Valley City State University)
Mathematics Education	Theatre Education
Music Education – Choral	

### **Minor Fields Are:**

Art Education	Journalism
Biology Education	Mathematics Education
Business Education	Music Education– Choral
Chemistry Education	Music Education– Instrumental
Coaching	Physical Education
Communications Education	Political Science Education
Computer Science Education	Psychology
Earth Science Education	Sociology
English Education	

Geography Education  
History Education

Spanish Education  
Technology Education (in cooperation with Valley City State University)

Theatre Education

For K-12 licensure in art, physical education, music, and secondary education, students must take additional work in the major plus a sequence of professional education courses that gives 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**

Agriculture Sales and Service

#### **ASSOCIATE IN APPLIED SCIENCE**

Office Administration  
Practical Nursing

### **CERTIFICATE PROGRAMS (NON-DEGREE)**

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

Entrepreneurship  
Entrepreneurial Leadership  
Farm and Ranch Management  
Human Resource Management

### **PRE-PROFESSIONAL CURRICULA**

The pre-professional curricula are designed to prepare students for additional undergraduate work or graduate study. Students enrolling in these programs are assisted in preparing for an undergraduate professional degree not offered at Dickinson State University, or for admission from Dickinson State University to a graduate professional school. Specific preparation and coursework are arranged in consultation with a pre-professional academic adviser. Some of the options for pre-professional study at Dickinson State University are: athletic training, chiropractic, criminal justice and corrections, dental hygiene, dentistry, dietetics, law, medical technology, medicine, mortuary science, occupational therapy, optometry, pharmacy, physical therapy, and veterinary medicine.

### **CHANGING MAJORS OR ADVISORS**

A student may, at any time, change his/her major and/or academic advisor. The student should report to the Office of Academic Records for instructions on how to facilitate these changes.

# ACADEMIC AFFAIRS

## **CREDITS**

Dickinson State University operates on the semester system. Ordinarily, one credit requires one class period per week for 16 weeks. Credit given in courses varies according to the number of class meetings per week.

## **STUDENT LOAD**

New First-time freshmen are not permitted to take any 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 any additional 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.

**No student may take more than 21 credit hours in a regular semester or nine hours in a summer session.**

Waiver of restrictions (hours/GPA) can be granted by the college dean if recommended by the department chair.

## **INTER-TERM AND SUMMER SESSION**

The day following Dickinson State University's summer session is officially designated as the first day of the University's inter-term. The inter-term will end on the first class contact day of the Fall term as officially designated in the common academic calendar which is established and mandated by the North Dakota University System.

All academic credits earned by students officially enrolled in the summer session will be recorded as part of Dickinson State University's officially designated summer session. All academic credits earned by students (new incoming freshman, new transfers, or returning students) via competency examinations, directed study classes, independent study classes etc., which may be earned while the summer session is in progress, but are outside the scope of DSU's officially designated summer session (i.e., DSU's Summer Orientation and Registration SOAR events), will not be recognized or reported as part of the summer session. In order to maintain accuracy with respect to Fall semester enrollment reporting requirements, especially with respect to new first time freshman, these credits will appear on the transcript as part of the following Fall term. However, these credits are officially recognized by Dickinson State University as inter-term credits.

## **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 task to graduate in four years, students must complete an average of at least 16 credits per semester.

## **CLASS ATTENDANCE POLICY**

Students are expected to attend all scheduled classes and labs as published in the official class schedule. Any regular 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 adviser 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.

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

## **Course Numbers**

- 001-099 Non-degree credit, pre-college level courses including remedial skills courses do not count toward graduation.
- 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.

## **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

# ACADEMIC AFFAIRS

## 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 contact mastery:

- A = or > 90%
- B = or > 80%
- C = or > 70%
- D = or > 60%
- F = Below 60%

## 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 "S-U" basis.
3. No more than 30 semester hours of "S-U" grades, including the 11 semester hours pre-service teaching block, will count toward the bachelor's degree. No more than 15 semester hours of "S-U" grades will count toward the associate degree.
4. After the normal period for adding a course the student may not change to, or from, an "S-U" choice.
5. With the exception of experiential learning, only courses outside the major, minor, areas of concentration, or areas of proficiency may be taken for an "S-U" grade. Courses in professional education, unless so identified, may not be taken on an "S-U" basis. Experiential learning credits earned on the "S-U" basis may be used in the major, minor, or areas of proficiency upon approval of the college dean. 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 that the student take a substitute course.

6. Some courses in a student's major or minor may be offered only on an "S-U" basis. Students may take these courses if required by their programs without the courses being counted toward the normal 30 hour limit. Departments wishing to offer "S-U" courses must receive prior approval from the Curriculum Council.
7. In "S-U" courses, work of "C" level or better is required to receive an "S" grade.

For further information, contact the Office of Admissions and Academic Records.

## INCOMPLETES

Incompletes are to be used to accommodate the student who was ill or had extenuating circumstances and could not reasonably complete the coursework during the term, and for those courses which will extend into the following term (i.e., internships).

Courses for which an "I" (Incomplete) grade notation was given MUST be completed by:

- Regular 16 week classes by the end of the next semester (summer session do not count as a regular semester)
- Eight-week classes by the end of the next eight-week session either in the same academic semester or by the end of the eight week of the following semester, whichever occurs first.
- If, by that time, the instructor of the course has not submitted a Change of Grade form, the "I" grade will administratively be changed to an "F" grade. The university director of Academic Records is authorized to make these administrative grade changes.

Incompletes changed to F's cannot be altered after the student has graduated.

Any subsequent grade change can be done only with the approval of the appropriate faculty member (or the appropriate department chair if that faculty member is no longer employed by the University) and the Vice President for Academic Affairs.

## AUDIT OF ACADEMIC COURSES

Students who wish to audit courses at Dickinson State University must apply for and receive the permission of the class instructor. A student may not request such permission until after the regular registration period as regular enrollees have a priority in filling the class.

The following conditions will apply:

1. Only lecture type courses may be audited. Audits will not be permitted in activity, laboratory, or classes requiring special equipment (example: computer, camera).
2. No courses taught online or inter-active video may be audited.
3. No academic credit will be granted.

## **ACADEMIC AFFAIRS**

4. The student may not switch from the audit to regular registration or vice versa after the last day to add a class.
5. The audit registration will appear on the student's transcript as "AU". Audit forms may be obtained at the Office of Admissions and Academic Records.
6. Students must attend at least 60% of the course in order to receive the audit notation. The instructor will determine what course work will be completed for audit credit.
7. The following audit fee schedule will apply:
  - Resident: one-half resident tuition rate.
  - Non-resident: one-half non-resident tuition rate.

### **REPETITION OF COURSES**

Students at Dickinson State University who repeat a course that was previously taken on this campus will have both classes indicated on their academic transcript. However, only the repeated course (credits and grade) will be reflected in the student's total credit value and cumulative GPA. This policy also applies to transfer credit when the transfer courses were taken at another institution prior to the student's initial enrollment at DSU.

A student who completes a class at DSU and subsequently attends another institution and takes the same (or similar) class may not use that class as a repeat of the original DSU class. Both classes (credits and grades) will be listed on the student's academic record and both will be factored in the student's total credit value and cumulative GPA.

### **CHANGE OF ENROLLMENT STATUS CHANGING COURSE REGISTRATION (ADDING AND DROPPING)**

#### **ADDING A COURSE**

Students may add a course freely without obtaining the instructor's written permission by accessing the Campus Connection portal in the DSU web page through the 10<sup>th</sup> calendar day (Fall Semester) or the 11<sup>th</sup> 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).

#### **DROPPING A COURSE**

Students may drop a course freely without obtaining the instructor's written permission through the 12<sup>th</sup> week of the semester by accessing the Campus Connection portal in the DSU web page. No drops will be allowed after the 12<sup>th</sup> week of the semester, unless a drop card is filled out and signed by the instructor of the class. Signed drop cards will be retained by the Office of Academic Records for a period of five (5) years, should it be subsequently necessary to verify the authenticity of an instructor's signature. Should fraudulent act (forged signature) be discovered, appropriate administrative and disciplinary action will be administered.

### **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 type of notation will be indicated on the academic transcript beginning on the 11<sup>th</sup> calendar day (Fall Semester) or the 12<sup>th</sup> calendar day (Spring Semester.)

### **ADMINISTRATIVE WITHDRAWAL FROM COURSES**

Under special or extenuating circumstances, a student may be administratively withdrawn from one course per semester at any time, either during the current enrollment, or after the course has been completed and grade assigned through the Vice President for Academic Affairs in coordination with the Registrar and/or Vice President for Student Development 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 Vice President for Academic Affairs will submit a written document to this effect to the Office of Academic Records, for implementation with copy placed in the student's permanent file.

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 Registrar and 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.

### **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 Vice President for Academic Affairs in coordination with the Registrar and/or Vice President for Student Development if circumstances warrant such action. Either a student, instructor, or administrator can request such a withdrawal. If the withdrawal is approved, the respective



## ACADEMIC AFFAIRS

Vice President will submit a written document to this effect to the Office of Academic Records. The Vice President for Academic Affairs (for academic reasons) or the Vice President for Student Development (for disciplinary or student life reasons) will submit a written document to the Office of Academic Records for implementation with a copy placed in the students' permanent file. 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 Registrar and Vice President for Academic Affairs.

Administrative withdrawal from the University does not replace the term erasure policy as found in the DSU catalog and the Academic Procedures and Policies Handbook.

### **ENROLLMENT RESTRICTIONS - ONLINE COURSE ENROLLMENT**

Enrollment in online courses is restricted to distance education students enrolled through the Office of Extended Learning. Exceptions to this policy can be granted by the Director of Extended Learning or designated staff. Hybrid and Interactive Video courses that utilize online components are exempted from this policy.

### **CLASS PRE-REQUISITES**

At the request of the instructor, students will be administratively withdrawn from a class if the student has not completed the pre-requisite class(es) that has(have) been associated with the class in question.

**EXAMPLE:** MATH 425 – Mathematical Statistics - 3  
Introduction to probability, permutations, combinations, discrete and continuous random variables, moment generating function, sampling distributions. **Pre-requisite: Math 166 – Calculus II or equivalent.**

### **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 in the Student Guide and the Academic Affairs Handbook.

### **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.

### **WITHHOLDING OF TRANSCRIPTS OR REGISTRATION PRIVILEGES**

Official transcripts may be withheld if the student has not fulfilled financial obligations or participated in the assessment program at Dickinson State University. 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.

### **TRANSCRIPTED ACADEMIC DATA "FROZEN" AT THE TIME OF DEGREE COMPLETION**

Once graduated with a baccalaureate degree, Dickinson State University will not permit any 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 registrar from a Dickinson State University faculty member or administrator.

### **TRANSFER OF CREDITS FROM NON-REGIONALLY ACCREDITED INSTITUTIONS**

DSU will accept a maximum of 20 (equated) semester credits from any post-secondary institution that holds state or specialized accreditation, such as the Association of Independent Colleges and Schools, but not regional accreditation or any post-secondary institution eligible for Federal Title IV funds. Any semester credits earned through an institution, which holds no accreditation what so ever, will not be accepted in transfer. The Director of Academic Records and the Vice President for Academic Affairs may research the validity and integrity of those institutions where questions exist. Any request for a transfer of credits beyond 20 (equated) semester credits will be handled on an individual basis with the decision made by the Director of Academic Records and the Vice President for Academic Affairs in coordination with the department chairs if necessary. Any credits accepted in transfer will count as free elective credits and will be recorded as individual courses under a single term. Grades will be accepted at face value as indicated on the institution's transcript. In the event that a "S" or "U" (Satisfactory or Unsatisfactory) grade was given, that grade will be changed and posted as a "C" grade. In situations where credit was awarded and a numerical percentage grade was given (but no letter grade was attached to the course), a grade of "C" will be posted.

## ACADEMIC AFFAIRS

If for course substitution purposes, a student wishes to use a specific course as an equivalent DSU course, that particular course would be reviewed by the appropriate chairperson in order to determine if a specific course equivalency exists. If such an equivalency does exist, the chairperson would have the option of granting an appropriate course substitution.

This policy is in accordance with that of Dickinson State University's regional accrediting agency, the Commission on Higher Learning of the North Central Association, which permits each institution to determine the transferability of credit from non-regionally accredited colleges.

### **TRANSFER CREDITS**

Acceptance of transfer credits for specific programs or to satisfy degree requirements is governed by institution policies, the system-wide common course numbering (CCN) system, the General Education Requirements Transfer Agreement (GERTA), and statewide articulation agreements. Where identified by one of these programs, full value for identified credit must be granted for admission to the institution, the individual identified programs, and/or general education requirements. Where not identified by one of these programs, college-level transfer credits shall be accepted at full value for admission to the institution if earned in: (1) other NDUS institutions; (2) North Dakota tribal colleges; (3) institutions that are members of, or hold candidate-for-accreditation status from regional accrediting associations; or (4) other institutions that offer comparable courses and programs and are accredited by an accrediting association that is a member of the Council for Higher Education Accreditation (CHEA) or U.S. Secretary of Education.

If needed, credits will be converted to semester hour equivalencies. All courses earned at other institutions, which are accepted at DSU, will appear on the DSU transcript. Course titles, credits, and grades will be indicated. Transfer credits used to meet specific program course requirements will be determined by the department chair. See page 39 for minimum DSU hours required for majors and minors.

Two GPA's will be indicated on a DSU 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 DSU.
2. Term GPA: This GPA will reflect the grade point average, which has been earned in any given academic semester (term).

### **TRANSFERS OF ASSOCIATE IN ARTS DEGREE**

If a student transfers to DSU from a full-accredited college and has earned an Associate in Art 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 basically completed with respect to his/her general education requirements. However, some DSU majors

require very specific courses as part of their general education program. If those specific courses were not completed as part of the AA degree, those specific courses would need to be completed at DSU.

### **Erasing Terms for GPA Purposes**

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

1. The individual must be currently enrolled as a student at DSU 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 DSU 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.

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.**

Any student granted permission to erase term(s) 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.

# ACADEMIC AFFAIRS

## **INTERNATIONAL COURSE WORK**

International students who have attended and earned academic credit at an accredited university outside of the United States may request that those credits be posted on a DSU transcript.

Almost without exception, the student will be required to have the courses evaluated by a professional credit evaluation services in the U.S. before any credit will be accepted and posted on a DSU transcript or used by DSU to fulfill degree requirements. The fee required to have this evaluation done will be the responsibility of the student.

Once posted on a DSU transcript, the student may not request, at a later date, that those credits be removed from the DSU transcript for any reason.

Students may not select only certain classes to be posted on a DSU transcript. Either all acceptable course work (as determined by DSU) will be posted or none of it will be posted.

## **ARMED SERVICE CREDIT**

Dickinson State University may grant college credit to students who completed specific courses of instruction while on active duty in the armed services.

Credit granted will be based on the recommendations set forth in the American Council on Education's "Guide to Evaluation of Educational Experiences in the Armed Services."

Two types of academic credit may be granted:

1. Courses or activities which are accepted by Dickinson State University but cannot be directly connected to a specific course in the current Dickinson State University catalog, will be posted in bulk as "free elective credit" towards the minimum number of credits required for the degree being sought. Maximum: 10 credits.
2. Courses or activities which can be directly connected to a specific course in the University catalog, will, with appropriate departmental approval generally through the experiential credit process be posted as a specific course(s) on a student's transcript. Maximum: No limit.

**NOTE:** All transcribed armed service credit will be posted with "S" (satisfactory) grade notations. An "S" grade does not affect the student's GPA. A maximum of 30 credits of "S" may be used towards satisfying graduation requirements in a baccalaureate degree program; a maximum of 15 credits of "S" in an associate degree program. No recording fee charged will be charged for the posting of armed service credit.

For specific information, contact the Director of Academic Records, May Hall, room 111.

## **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 Guide under Article III. A. - 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 Admissions and 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 Guide and the Academic Affairs Policies and Procedures.

### **Electronic Devices**

The use by students of all electronic devices (cell phones, translators, calculators, recorders, MP3 players, and watches with data processing capabilities, or any other such device) is prohibited in classrooms, especially during exams, unless expressly permitted by the course instructor. Students needing special accommodations will be exempted from this policy if the need for using the electronic device is certified through the Academic Success Center.

### **ACADEMIC PROBATION/SUSPENSION**

**Probation:** Any student who does 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.

**Suspension:** Any student who has attempted at least 24 semester hours of credit and does not maintain a minimum cumulative GPA of 1.60, may be suspended from DSU 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 Vice President for Academic Affairs – May Hall 118.

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 2.50 for his/her first term following the suspension, the student may be placed in suspension status again.

## **ACADEMIC AFFAIRS**

### **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 Admissions and Academic Records.

### **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 coming up with a mutually agreeable solution. If no solution can be agreed to by all parties involved, the student must drop one of the classes.

### **CLOSED CLASSES**

If a student desires a course that is considered closed, the student may request the instructor's permission to be added to that class. If the instructor and/or department chair approves the request, the instructor will complete a "closed class" form, and department personnel will then send the form(s) to the Office of Admissions and Academic Records.

### **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 Vice President for Academic Affairs. Any change in final exam time 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. Any unresolved test schedule conflicts may be appealed to the College Dean.

Students having more than three exams on a single day can request to one of the course faculty to 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.

A student who is 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.

Students will not be pulled out of the commencement line if it is known at the last minute that they did not complete graduation requirements.

The actual 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.

### **Substitution – Waiver Policy**

Permission may be granted to substitute or waive requirements for General Education, majors or minors, or other institutional requirements upon approval of the student's adviser, the department chair, and the Director of Academic Records. The following requirements apply:

1. Requirements for General Education: The student must have the approval of his/her adviser, the department chair of the student's major, the department chair of the course, and the Director of Academic Records.
2. Requirements for majors and minors: The student must have the approval of his/her adviser, the department chair of the student's major, and the Director of Academic Records.
3. Other institutional requirements: The student must have approval of his/her adviser, the department chair of the student's major, and the Director of Academic Records. All substitution or waiver requests approved must be within the policies of the institution and the State Board of Higher Education.

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

### **ALTERNATIVE CREDIT-EARNING OPTIONS**

Alternative credit-earning options provide the student with unique opportunities to earn academic credit without participating in formal instruction via a regular classroom setting. Be advised that credits earned via any "alternative credit" option will probably not be transferable to another educational institution. Students must be advised of this potential problem at the time that initial discussions take place.

All credits earned through alternative credit-earning options, will be given pass/fail (S/U) grades. A maximum of only 30 semester credits with pass/fail (S/U) grades may be used to meet graduation requirements.

## ACADEMIC AFFAIRS

**NOTE:** BEFORE TRANSCRIPTING CREDIT FOR THE FOLLOWING ALTERNATIVE METHODS OF EARNING ACADEMIC CREDIT, A STUDENT MUST HAVE EARNED A MINIMUM OF TWELVE (12) SEMESTER HOURS OF CREDIT FROM DICKINSON STATE UNIVERSITY AND MUST HAVE A MINIMUM CUMULATIVE GRADE POINT AVERAGE OF 1.60:

- Armed Services Credit
- Attached Learning Credit
- Experiential Learning Credit
- Service Learning Credit

### **CHALLENGE EXAMINATIONS**

Dickinson State University has a limited number of academic areas that offer challenge examinations for specific classes.

### **EXPERIENTIAL LEARNING**

Credit may be awarded for past work experience, which can be directly related to a specific, existing course in the University catalog. Credit will be awarded at the discretion of the appropriate department chair. Amount of credit will match the designated course in the catalog. **Note: Credit cannot be designated and transcribed under Special Topics 299/499.**

### **SERVICE LEARNING**

Credit may be awarded for extra-curricular university or community service activities (on-campus or off-campus), which were completed within the current semester of enrollment and can be tied to an existing course in the University catalog. Previous service activities cannot be used. Service learning experiences will be arranged through the appropriate department chair and credit will be awarded at the chair's discretion. The amount of credit will vary. **Note: Credit cannot be designated and transcribed under Special Topics 299/499.**

### **ARMED SERVICE TRAINING AND EXPERIENCE**

Dickinson State University may grant up to a maximum of 10 semester hours of academic credit to students who have completed specific courses of instruction while on active duty in the armed services. Credit will be granted based upon the recommendations of the American Council on Education's publications: "Guide to Evaluation of Educational Experiences in the Armed Services." One physical education activity credit will be waived. All credits will be posted in the term in which the credits were granted.

### **ATTACHED CREDIT**

Credit may be awarded for educational workshops and/or training which has a direct correlation between the content of the training received and the general curriculum of a specific department within the University. Credit will be awarded at the discretion of the appropriate department chair. The amount of credit will vary based upon a number of factors, which may include the academic rigor of the training and/or the length of the training or workshop. Generally, one semester hour of credit is awarded for each 16 hours of seat time. (Note: All attached credit will be designated under special topics 299/499.)

**For additional information regarding alternative credit-earning options, contact either the Director of Academic Records in May Hall, room 111 or the Dean of Extended Learning (701-483-2166).**

### **ENGLISH AND MATH PLACEMENT EXAMS**

All incoming first-time freshman will be given a placement exam in English and Math in order to determine which general education course in English Composition and Math they will be placed in. The exam is generally given during the SOAR sessions during the summer, but may also be administered mid-year through the Academic Success Center. The placement exams are the English Criterion Test and the DSU Math Placement Test. The ACT test scores are also used for placement purposes. Student scoring at or below and 18 on the ACT Verbal Test and/or below a three on the Criterion Test will be placed in ENGL 100, Basic English, which must be completed before being allowed to enroll in ENGL 110, English Composition I (general education requirement). Students taking the ACT Test for college admission must also complete the Writing Test part of the exam for placement purposes. Students scoring below on the ACT Quantitative Test and/or at or below 22 on the Math Placement Test will be placed in MATH 102, Intermediate Algebra, which must be completed before being allowed to enroll in MATH 103, College Algebra (general education requirement). The placement for both English and Math in the developmental courses lower than the general education requirements is mandatory if the above scores are not met.

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

DSU 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 Records Office. An examination fee is paid directly to CLEP and there may be an administrative fee required for the computer-based testing. If there are questions regarding the fees charged, please contact Academic Records.

### **CLEP**

Dickinson State does accept subject area CLEP tests as approved by the University. (NOTE: Dickinson State University does not accept General Education CLEP tests.)

A maximum of 15 semester hours of CLEP/AP credit can be applied to a 4 year degree and 8 hours toward a 2 year degree. All CLEP/AP credits are recorded with an "S" grade and do not affect the GPA.

CLEP 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.

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CLEP tests not on the approved list may be taken for credit if the student has the written approval of the college dean or department chair of the particular subject area. CLEP tests are all computer based.

The minimum passing score for CLEP tests may vary. Some CLEP tests require a response in the form of essay questions. No essay will be evaluated or graded unless the minimum passing score is obtained on the subjective portion of the test.

### **NDUS CLEP SUBJECT AREA TESTS AND SCORES**

See registrar in the Office of Academic Records for current list of acceptable CLEP tests.

### **COLLEGE BOARD ADVANCED PLACEMENT**

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 provide official documentation.

### **NOTE: A RECORDING FEE WILL BE CHARGED FOR ENTERING ADVANCED PLACEMENT AND CLEP CREDIT ON THE TRANSCRIPT**

### **INDEPENDENT STUDY, UNDERGRADUATE RESEARCH, INTERNSHIPS, ONLINE COURSES, AND SPECIAL TOPICS, READINGS**

#### **SPECIAL ACCESS FEE**

A Special access fee will be charged for the following category of courses: Directed Study, Independent Study, On-line courses, and Internships. 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 special access fee would be if the course to be offered as Directed Study, Independent Study, Internship, or in an On-Line 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 a special access fee. Exceptions for payment of the special access fee for these courses will be very limited with each exception being granted on a case-by-case basis.

All students need to check with their faculty advisor or the Director of Academic Records before enrolling in any of these courses.

#### **DIRECTED STUDY**

This is a course that is listed in the Dickinson State University catalog but is not offered during the term requested. There is no obligation for a faculty member to offer a course by directed study, and this type of enrollment should be utilized only under unusual circumstances involving graduation. The course is usually taught to just one student.

### **INDEPENDENT STUDY (RESEARCH)**

A research related project with specific academic content and to which is attached an appropriately descriptive title. Credit values will vary depending upon the structure of the class and will be determined by the supervising faculty member. There is no obligation for a department (or faculty member) to offer this type of project. All research projects must receive approval from the appropriate department chair.

### **INTERNSHIPS**

An internship is an on-the-job experience during which the student is able to put his/her educational training into a practical application and earn academic credit at the same time. One academic credit will be granted for each 40 hours of work that is completed by the student.

From one to six credits may be earned during any specific internship experience. A maximum of 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.

### **SPECIAL TOPICS, READINGS**

A uniquely designed advanced topics course is within a specific discipline. Course content and other related academic requirements are to be determined by the instructor.

### **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.

**A student is limited to 16 semester hours of credit earned via Directed Study, Independent Study (Research), and/or Special Topics, Readings that will count toward the graduation requirement of 128 semester hours.**

### **GRADUATION REQUIREMENTS NOTICE TO ALL 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

## ACADEMIC AFFAIRS

posted for the graduation date (Fall, Spring, Summer) closest to the actual completion of all degree requirements and certification by the Registrar.

Most of the pages that follow contain a variety of information regarding the academic requirements with respect to the completion of a degree program at Dickinson State University. Every enrolled student will have access to personalized assistance (an appropriate academic advisor) and information (an official University catalog) related to their academic program thus ensuring that the student will be able to complete his or her degree within a reasonable length of time.

All 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 guarantees that every student will have access to this type of valuable 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 solely responsible for completing the requirements needed to fulfill their degree requirements.

### **GENERAL GRADUATION REQUIREMENTS – BACHELOR'S DEGREE**

**NOTE:** All candidates for graduation (Bachelor's Degree only) must review Dickinson State University's assessment requirements. (See page 26)

1. The student must earn a minimum of 128 semester hours of credit including 32 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 in Education, Bachelor of Arts, and Bachelor of Science degrees, unless the student completes a Composite Major. The minor must be a minimum of 21 semester hours, including 12 semester hours from Dickinson State University. Teaching minors must have a minimum of 24 semester hours including 12 hours from DSU.  
**NOTE:** Exceptions to this policy exist in some areas:
  - **EXCEPTION #1** – If the major consists of 56 or more credit hours, no minor is required.
  - **EXCEPTION #2** – A minor is not required if the student graduates with a double major.
  - **EXCEPTION #3** – A student cannot minor within their major field.

5. All Bachelor of Arts degree graduates must complete 16 credit hours of foreign language studies. The 16 credit hours can be in one language or in multiple languages.
6. The student must have a cumulative GPA of 2.0 as well as a GPA of 2.0 in the major field of study.  
**NOTE:** Some programs, such as education and nursing, accounting, and business administration require a higher GPA.
7. The student must earn a minimum of 32 semester hours of upper level credit courses (300-400).  
**NOTE:** Lower level courses (100-200) which have been taken at another college (two-year or four-year) and for which credit was granted to meet a 300-400 major or minor requirement will not count towards meeting this upper level degree requirement.)
8. Once graduated with a baccalaureate degree, Dickinson State University will not permit any 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 registrar from a Dickinson State University faculty member or administrator.
9. Submitting a formal application for graduation at the Office of Admissions and 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 100 semester hours of academic credit.
10. 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. However, the date on the diploma will reflect Dickinson State University's next official graduation date (fall or spring).
11. It is highly recommended that 16 hours of a foreign language be taken by students considering graduate school.
12. Performance on a major or exit exam or other assessment activities at an acceptable level as established by the University is required for graduation.
13. Degrees will not be posted until all graduation requirements are met.

### **GENERAL GRADUATION REQUIREMENTS ASSOCIATE IN SCIENCE DEGREE**

1. The student must earn a minimum of 64 semester hours of credit including 16 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.

## ACADEMIC AFFAIRS

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).

### **GENERAL GRADUATION REQUIREMENTS ASSOCIATE IN APPLIED SCIENCE DEGREE**

1. The student must earn a minimum of 64 semester hours of credit including 16 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 17 semester hours of general education courses as required by the specific program.

### **GENERAL GRADUATION REQUIREMENTS ASSOCIATE IN ARTS DEGREE**

1. The student must earn a minimum of 64 semester hours of credit including 16 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.

### **GENERAL GRADUATION REQUIREMENTS 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 16 semester hours of credit are required for all certificate programs. At least 50% of the required classes must be DSU classes.
3. The student must have a minimum cumulative GPA of 2.00.

### **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 16 semester hours of Independent Study credits.
2. Limit of 30 semester hours of pass/fail (S/U). NOTE: Any pass/fail credits earned as a result of taking classes where a letter grade was not an option WILL

NOT count towards the 30 credit maximum.

3. Limit of 30 semester hours of experiential learning credit.
4. Limit of 10 semester hours of Armed Service credit.
5. Limit of 15 semester hours of CLEP/AP credit.
6. Limit of 12 semester hours of Attached credit.
7. Limit of 6 semester hours of Service Learning credit.
8. Limit of 20 semester hours of credit from institutions whose accreditation is not from a regional accreditation body, but from a specialized national accrediting agency recognized by the U.S. Secretary of Education or the Council for Higher Education.

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

A STUDENT HAVING UNUSUAL CIRCUMSTANCES MAY APPEAL THE ACADEMIC POLICIES OF DICKINSON STATE UNIVERSITY BY SUBMITTING A WRITTEN APPEAL TO THE VICE PRESIDENT FOR ACADEMIC AFFAIRS.

### **DOUBLE DEGREE AND DOUBLE DEGREE MAJORS**

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 21 semester hours above the minimum for one degree (128 credit hours) to equal 149 semester hours. This policy is not applicable to the Bachelor of University Studies Degree regardless of the number of hours earned.

A student who has completed all of the academic requirements for two degrees but has not met the 149 credit minimum requirement may not avoid the 149 credit requirement by postponing the application for the second degree until a future semester.

A student who graduates with two (different) DSU 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 149 academic credits.

A student who is awarded a DSU Bachelor of University Studies degree in one term and subsequently applies for a second DSU baccalaureate degree (B.S., B.A., B.S.N., B.A.S.T) must have accumulated a minimum of 149 academic credits. (Exception: if the second degree is a B.S. Ed. degree and the reason for not receiving the B.S. Ed as the student's initial degree was due to PRAXIS or PORTFOLIO issues, then 149 minimum credits will be waived.)

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.)



## ACADEMIC AFFAIRS

No student may simultaneously graduate with a BS and a BA degree with identical majors (e.g., BS-Math/BA-Math). No student will be permitted to graduate with more than two degrees (BA and BS) in any one semester.

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 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.

### **APPLICATION FOR GRADUATION**

The following regulations are based upon DSU academic policy.

Students pursuing a **BACHELORS** degree may not submit an Application for Graduation until they have \*earned a minimum of 100 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. (\*Grades have been posted.)

Dickinson State University holds commencement exercises one time each year, at the end of the spring term. All students who have satisfied graduation requirements during the previous year, or who would need only six credits or less to complete their degree and will be able to complete those

credits during summer term following commencement, are eligible to participate in the spring graduation exercises.

Collaborative students are eligible for the President's and Dean's List if DSU is their home campus and 2/3 of the term courses are taken from DSU.

### **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 DSU. Exceptions will be made for international agreements from universities in partnership agreements with DSU.

### **ACADEMIC HONORS**

#### **PRESIDENT'S LIST**

Students with a term GPA of 3.9 or above after the completion of a minimum of 12 DSU 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 DSU 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.

#### **RECORDING A MAJOR OR MINOR ON A DEGREE NOT EARNED AT DICKINSON STATE UNIVERSITY**

Dickinson State University WILL NOT officially record a major or minor on a degree earned at another college or university. However, under the following conditions, the Office of Academic Records will record a comment on the student's transcript indicating that the major or minor requirements have been met:

## **ACADEMIC AFFAIRS**

1. The college dean or department chair must evaluate the student's transcript and certify by letter to the Office of Academic Records that all Dickinson State University requirements for that major or minor have been met. The student must have completed at least 18 semester hours in that major or 12 semester hours in that minor from Dickinson State University.
2. For a teaching major or minor (example: Math Education) the student must meet all the requirements listed in (1) above, and the chair of the Department of Teacher Education must certify that the student has met the Professional Education Licensure requirements as listed in the Dickinson State University catalog.
  - a. If the student wishes to obtain initial teacher licensure from the North Dakota Education Standards and Practices Board, and has met the requirements listed above (1 and 2), the Office of Academic Records will initiate the application for certification if so requested by the student.
  - b. If the student wishes to obtain initial teacher licensure from the North Dakota Education Standards and Practices Board and HAS NOT met the requirements listed in (1 and 2) above, the student must initiate the request for licensure directly with the North Dakota Education Standards and Practices Board.

IF THE STUDENT DOES NOT MEET THE REQUIREMENTS LISTED IN (1) OR (1 and 2) ABOVE, THE MAJOR OR MINOR COMMENT WILL NOT BE RECORDED ON THE ACADEMIC RECORD.

### **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 DSU 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 DSU for another degree must follow the specific program requirements printed

in the most recently published catalog when they return for their additional degrees.

### **WITHDRAWAL FROM THE UNIVERSITY**

A student who finds it necessary to withdraw from the University must contact the Office of Student Development in the Student Center.

The student will receive a "Withdrawal From University" form. This form must be completed with all necessary signatures obtained from the offices of Student Support Services, Financial Aid, Library, and Business Affairs and then be presented to the Office of Admissions and Academic Records.

A student may withdraw from the university until the first day of regular final exams. If the student has been given a Withdraw from University form from the Office of Student Development, but has not returned the form to that office for processing before 4:30 p.m. on the last regularly scheduled class day of the semester, the withdrawal will not be processed after that date. If a student does not complete the withdrawal process within the time frame listed above, the student will receive the grade of "F" in all courses.

A schedule of tuition refunds is maintained by the Division of Business Affairs. That schedule will be followed unless otherwise directed by the Vice President for Academic Affairs.

### **POLICY APPEAL**

All academic policies of Dickinson State University may be waived for special circumstances through an appeal made through the Vice President for Academic Affairs or, waived administratively by the Vice President for Academic Affairs in consultation with the Director of Academic Records.

### **STOXEN LIBRARY**

Stoxen Library, connected to May Hall, the main classroom building, provides students, faculty, and staff, as well as residents of southwestern North Dakota, with access to traditional library services and materials, to online databases, and to the wealth of information available on the Internet.

Stoxen Library is a member of ODIN (Online Dakota Information Network), the North Dakota University System Library Network (academic, public, school, state agency, and special libraries) as well as OCLC, the world's largest network of libraries. The library materials collection contains more than 100,000 volumes, 400 plus current print periodical subscriptions, access to thousands of online periodicals and e-books, and numerous audiovisual materials, all of which are accessible via the Library's web page: [www.dickinsonstate.com/library.asp](http://www.dickinsonstate.com/library.asp).

Of special note is the library's Theodore Roosevelt Collection. The library's materials collections are valuable resources for all types of research projects.

## ACADEMIC AFFAIRS

Needed research materials not available in the Stoxen Library collections or via the Library web page can generally be obtained via interlibrary loan. The library staff is available to assist users in their research efforts and library use.

There are a variety of study areas and a number of computer workstations available in the library for student research activities.

Stoxen Library is open 75 hours a week. The hours are posted on the library doors as well as the Library web page. The aforementioned electronic resources (databases, online periodicals, and e-books) are available 24/7 from anywhere via the Library's web page: [www.dickinsonstate.com/library.asp](http://www.dickinsonstate.com/library.asp).

### **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, DSU has invited students and faculty from partner universities worldwide to attend DSU and has engaged in sending faculty and students to these universities. Currently, there are students from over 30 different countries enrolled at DSU. Dickinson State has agreements with partner universities abroad to allow their students to attend DSU and earn a degree through what is called a Dual-Degree-Joint (DDJ) program. DSU is a member of the International Student Exchange Program (ISEP) which brokers study abroad experiences for American students. Students wishing to come to DSU from the countries of the former Soviet Union are aided through the International Research Exchange Board (IREX). The following are the foreign universities with which Dickinson State has agreements with for faculty/student exchange:

### **FOREIGN UNIVERSITY PARTNERSHIPS WITH DSU**

#### **CHINA:**

Applied Technology College of Soochow University-Soochow  
Beijing University of Technology-Beijing  
Capital University of Economics and Business-Beijing  
Changshu Institute of Technology-Changshu  
Dalian Jiaotong University-Dalian  
Dalian University of Foreign Languages-Dalian  
Dalian Neusoft Institute of Information-Dalian  
Minzu University of China-Beijing  
Northwest Agriculture and Forest University-Yanling  
Sichuan Normal University-Chengdu  
Sichuan International Studies University-Chongqing  
Soochow University-Soochow  
Taiyuan University of Technology-Taiyuan  
Xi'an Siyuan University-Xi'an

#### **KOREA:**

Duksung Women's University-Seoul

#### **RUSSIA:**

Krasnoyarsk State Academy of Music and Theatre-  
Krasnoyarsk  
Krasnoyarsk State Agrarian University-Krasnoyarsk  
Krasnoyarsk State Medical University-Krasnoyarsk  
Krasnoyarsk State Pedagogical University-Krasnoyarsk  
Siberian Institute of Business, Management, and  
Psychology-Krasnoyarsk  
Siberian State Aerospace University-Krasnoyarsk  
Voronezh State University-Voronezh

#### **UKRAINE:**

The National Agricultural University-Kiev

For more information regarding foreign exchange with partner universities or general study abroad contact:

Ms. Ronnie Walker, Director of the Center for Multicultural Affairs

May Hall 310

Telephone: 701-483-2598

(Email address: [Ronnie.Walker@dickinsonstate.edu](mailto:Ronnie.Walker@dickinsonstate.edu).)

### **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 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 DSU policy also provides a procedure for students to register complaints if they cannot understand the English used by an instructor in classroom instruction. The DSU 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 for further action to be taken.

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

## THEODORE ROOSEVELT CENTER



The Theodore Roosevelt Center was established at Dickinson State University to study and analyze the life and legacy of the 26th president of the United States. Like other presidents before Herbert Hoover, Theodore Roosevelt has no presidential library. His papers are scattered in discrete collections at the Library of Congress, Harvard University, and elsewhere. In partnership with these organizations, the TR Center has undertaken to create a comprehensive digital library presenting Roosevelt's letters, diaries, presidential papers, photographs, and ephemera. Through the digital library, symposia, and publications, the Theodore Roosevelt Center aims to investigate, interpret, and inform the understanding of Roosevelt's contributions to American life.

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

# **THEODORE ROOSEVELT HONORS LEADERSHIP**

## **HONORS LEADERSHIP PROGRAM**

Dickinson State University has a unique honors program built around the theme of leadership and service as exemplified by President Theodore Roosevelt and his experiences gained when ranching near Medora, North Dakota during the 1880s.

## **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. Some of the things you will learn as a TR Scholar are:

- 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 21<sup>st</sup> Century leaders
- How to succeed in a diverse and rapidly changing workplace dominated by global competition
- Leadership theory and principles of entrepreneurship

## **STUDENT LEARNING OUTCOMES**

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

### **Think Critically and Creatively**

1. Demonstrate an ability to gather, analyze, evaluate, and use information from a variety of sources. (This learning outcome directly addresses Institutional Learning Outcomes I and V)
2. Creatively apply knowledge to solve problems and explain issues. (This learning outcome directly addresses Institutional Learning Outcomes I)
3. Synthesize discipline-based and/or cross-discipline-based information. (This learning outcome directly addresses Institutional Learning Outcomes I and V)
4. Analyze written evidences and creatively develop original ideas and arguments. (This learning outcome directly addresses Institutional Learning Outcomes I)

### **Communicate Effectively**

1. Express ideas, facts, theories and positions precisely and persuasively in multiple formats. (This learning outcome directly addresses Institutional Learning Outcomes II)
2. Demonstrate competence with appropriate technologies in individual and/or group presentations. (This learning outcome directly addresses Institutional Learning Outcomes II and V)
3. Understand why effective leaders master the art of active listening. (This learning outcome directly addresses Institutional Learning Outcomes II and V)

### **Model Responsible Citizenship**

1. Demonstrate a commitment to community service and volunteerism. (This learning outcome directly addresses Institutional Learning Outcomes III)
2. Apply leadership skills and discipline-based knowledge to solve problems in novel and creative

ways. (This learning outcome directly addresses Institutional Learning Outcomes I and V)

3. Demonstrate a commitment to civility and responsibility to society. (This learning outcome directly addresses Institutional Learning Outcomes III and V)
4. Participate in campus and community service-learning opportunities. (This learning outcome directly addresses Institutional Learning Outcomes III)

### **Cultivate Global Awareness and an Appreciation for Cultural Diversity**

1. Demonstrate respect for human diversity and an awareness of their own assumptions, stereotypes, and biases when confronting differences. (This learning outcome directly addresses Institutional Learning Outcomes III)
2. Increase their appreciation of cultural diversity and global awareness through study abroad or other forms of experiential learning. (This learning outcome directly addresses Institutional Learning Outcomes III and V)
3. Display the ability to promote an open multi-cultural and trans-cultural dialogue. (This learning outcome directly addresses Institutional Learning Outcomes III)
4. Demonstrate an understanding of the commonalities and diversity of global cultures. (This learning outcome directly addresses Institutional Learning Outcomes III and V)

### **Display a Commitment to Ongoing Leadership Development**

1. Engage purposefully in leadership, service, or mentorship activities. (This learning outcome directly addresses Institutional Learning Outcomes V)
2. Understand and implement Theodore Roosevelt's Stewardship Theory of leadership. (This learning outcome directly addresses Institutional Learning Outcomes V)
3. Work collaboratively as a member of a complementary team. (This learning outcome directly addresses Institutional Learning Outcomes II and III)
4. Demonstrate the ability to lead teams while also serving as effective team members. (This learning outcome directly addresses Institutional Learning Outcomes II, III and V)
5. Apply leadership principles and strategies to enhance personal and professional growth. (This learning outcome directly addresses Institutional Learning Outcomes V)

You 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 designed to give you an area of responsibility uncommon among interns. TR 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 your research at

## **THEODORE ROOSEVELT HONORS LEADERSHIP**

national, regional, and local undergraduate conferences. You will have the opportunity to live in honors housing with like-minded students from around the world. All of these elements combine to make this unique program a challenging and personally rewarding way to build your leadership credentials and equip you for future academic and career successes. You will be competitive for national merit scholarships should you decide to go on to graduate school, and you will distinguish yourself if you take full advantage of this program.

Theodore Roosevelt Scholarships, made possible through the Dickinson State 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 and 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 are recognized each spring and presented a framed certificate and honors medallion to be worn during the graduation procession. A special notation will be placed on their official transcript that they graduated with TR Distinction, and they will earn a Leadership Studies Minor.

Dickinson State University offers international students a unique opportunity to become Theodore Roosevelt Associates. TR Associates who successfully apply for admission into the program are invited to participate in as many Theodore Roosevelt Honors Leadership activities as they can fit comfortably into their schedule and for which they qualify.

Those TR Associates who maintain a cumulative GPA of 3.25, attend four on-campus co-curricular learning opportunities and a pre-approved conference will receive a certificate of participation at the end of the year. Those who distinguish themselves by exceeding these expectations (by enrolling in a LEAD course, serving on a TR Program committee, or contributing to the improvement of the TR Program, the Center of Multicultural Affairs, or DSU in a significant way) may expect a letter of reference from the Director.

### **THEODORE ROOSEVELT HONORS LEADERSHIP**

For more information, please contact:

Dr. Jon Brudvig, Director

Theodore Roosevelt Honors Leadership Program

May Hall 308

1-800-279-4295

701-483-2114

(E-mail address: [jon.brudvig@dickinsonstate.edu](mailto:jon.brudvig@dickinsonstate.edu))

**TR Program Web Page – [www.dickinsonstate.com/TR\\_home.asp](http://www.dickinsonstate.com/TR_home.asp).**

### **General Academic Policies**

- A. All participants in the Theodore Roosevelt Honors Leadership Program (TRHLP) must be baccalaureate degree seeking.
- B. All TRHLP courses involve intensive reading and writing assignments.
- C. Students must follow the Course of Study outlined in the TRHLP Program Guidelines and 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.
  1. Nursing students who wish to participate in the TRHLP are subject to a specialized curriculum and should consult with the TR Program Director and the Department of Nursing Chair.
  2. English Composition taken for high school dual credit does not count toward TR Curricular requirements. Both Honors Composition I and II must be taken to graduate with “TR Distinction.”
  3. Public Speaking taken for high school dual credit does not count toward TR Curricular requirements.
  4. Dual credit classes may be applied toward the 128 semester hours required for graduation.
  5. Reasonable accommodations will also be made when the proposed Course of Study conflicts with courses required for a student’s major.
- D. Students accepting the TRHLP scholarship are expected to participate in both curricular and co-curricular activities. Curriculum requirements are detailed in the Course of Study section. Co-curricular activities may include luncheons, videoconferences, special learning opportunities, conferences, study tours, student enrichment opportunities and colloquia. Participants may earn academic credit for some of these activities. Consequences for unsatisfactory participation in co-curricular activities are detailed below in the TRHLP Program Guidelines and Maintenance of Honors Program Status, B.1-3.
- E. Qualified students may enter the TRHLP as sophomores and juniors (transfer students only). See the TR Program Director for details.
- F. Theodore Roosevelt Scholars who study abroad at a university that has a formal exchange agreement with DSU can maintain their TR Scholarship, but must enroll in equivalent honors courses at the foreign university or in courses approved before the beginning of the study abroad experience, by the TR Program Director.
- G. Graduating Seniors must apply for graduation indicating that they expect to graduate with a Leadership Studies Minor, then conduct a graduation audit with the TR Program Director as soon as possible THE SEMESTER PRIOR TO GRADUATION.

# THEODORE ROOSEVELT HONORS LEADERSHIP

## **Maintenance of Honors Program Status**

A. 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 for each semester enrolled at DSU as part of the TRHLP. Transfer students must have a 3.25 cumulative GPA for all colleges attended.

1. If a student's GPA drops below 3.25 for all coursework attempted, a warning letter will be sent from the TRHLP Director's Office notifying the student that he or she will have one semester in which to raise the GPA over 3.25.
2. Irrespective of cumulative GPA, failure to maintain a semester GPA of 3.25 for two consecutive semesters at any time, will result in removal from the TRHLP by the Program Director and a forfeiture of the Theodore Roosevelt Scholarship award with notification being sent to the DSU Foundation Office.
3. 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 warning or of non-renewal.
4. Students may be placed on academic probation only once in their career as a TR Scholar. Being placed on academic probation a second time results in removal from the program and forfeiture of the scholarship. 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.
5. Students removed from the TRHLP MAY NOT apply for readmission to the program or the scholarship award.
6. Students who have been removed from the TRHLP MAY NOT enroll in the special honors courses unless the course is a lower level course used for a general education requirement and has non-honors students enrolled.

B. Freshman Seminar students are required to participate in a variety of Special Learning Opportunities designed to ensure both success in college and successful completion of the TRHLP. All other TR Scholars are required to participate in at least three Co-curricular Activities per semester (see General Academic Policies, D above) plus all activities deemed mandatory by the Director (e.g., donor luncheon, special programs sponsored by other departments, etc.). When a TR Scholar is enrolled in the LEAD 494H Conference Proposal for one credit, that conference does not count toward the participation requirement. LEAD 494H is a "stand alone" requirement.

1. If a student demonstrates unsatisfactory program participation, by not following the course of study outlined in the catalog or not attending at least three co-curricular activities in a given semester, plus all events deemed mandatory by the Director, the student will be placed on program probation the following

semester. The student will be notified by letter from the Director.

2. The student will have one semester to demonstrate satisfactory participation. Failure to demonstrate satisfactory participation thereafter will result in removal from the TRHLP by the Director and forfeiture of the TR scholarship award with notification being sent to the DSU Foundation Office. (**Maintenance of Honors Program Status**, A.3-5 apply here.)
  3. Students may be placed on participation probation only once in their career as a TR Scholar. Being placed on participation probation a second time results in removal from the program and forfeiture of the scholarship. Being placed on both academic and participation probation at the same time indicates a lack of suitability for continuation in the TR Program and will also result in immediate removal.
  4. Attendance requirements are satisfied in the event of a scheduling conflict that has been brought to the attention of, and cleared by, the TR Program Director prior to the event.
- C. Students must complete the online TRHLP Update Form and submit it electronically to the TRHLP Office at the conclusion of each semester. This form supplies an array of important data used to improve the program and facilitate timely graduation. Failure to do so results in being placed on program participation probation.

Please consult the TRHLP Program Guidelines and website for additional program requirements and policies.



# THEODORE ROOSEVELT HONORS LEADERSHIP

## Course of Study

### YEAR ONE

#### Fall Semester

ASC 100 – Freshman Seminar (TRHLP section) .....	1
COMM 111H – Honors Public Speaking .....	3
ENGL 111H – Honors Composition .....	3

Special Learning Opportunities may include a number of the following:

- Predictive Index Workshop-Leadership Profiles
- Theodore Roosevelt Symposium

#### Spring Semester

ENGL 121H – Honors Composition II .....	3
LEAD 100H – 21 <sup>st</sup> Century Leadership* .....	3
LEAD 296H – Study Tour .....	1

\*21<sup>st</sup> Century Leadership counts for both the General Education, IV-C, and Multicultural requirement.

\* Study Tour alternates between the spring and fall semesters. The Nobel Conference occurs bi-annually during the fall semester.

#### Special Learning Opportunities

- Study Tour
- Lunch with the President – TR Scholars will meet for lunch with the University President and a guest. Guests will include business leaders, government officials, authors and international scholars. Guest presenters will address the group and answer questions related to leadership, the future, and the guest’s area of expertise.
- Leadership Videoconference
- Personal Enhancement Retreat
- Upper Midwest Honors Council Conference

### YEAR TWO

#### Fall Semester

LEAD 200H – Leadership & Change .....	1
PSYC 289H – Group Dynamics .....	3

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.
- Participation in the Nobel Conference
- Personal Enhancement Retreat
- National Collegiate Honors Council Conference
- Participation and membership in at least one campus organization.
- Positive Payback Southwest
- Campus Literacy Initiative

### Spring Semester

COMM 216 – Intercultural Communication* .....	3
ENTR 267H – Entrepreneurship/Leadership Seminar .....	2

**\*Intercultural Communication also satisfies the General Education Multicultural requirement.**

Students take additional courses in their discipline major.

#### Special Learning Opportunities

- Serve as Freshman Seminar mentor
- Upper Midwest Honors Council Conference
- Attend a Student Research Conference or Poster Session
- Participate in a videoconference
- TRHLP Community Service Project
- Study Tour
- Pay It Forward Tour

### YEAR THREE

#### Fall Semester

LEAD 495H – Service Learning Project .....	3
Take one TR Program approved elective outside your major..	3

ART 210:	History of Art I
BIOL 260:	Environmental Health Economics, Law and Public Policy Development
BIOL 300:	Environmental Biology
COMM 312:	Interpersonal Communication
ENGL 232:	Mythology
ENGL 241:	World Literature I
ENGL 242:	World Literature II
ENTR 346:	Marketing and Management in a Global Economy
FIN 320:	Personal Finance
H&CE 241:	Leadership & Presentation Techniques
HIST 302:	Theodore Roosevelt: Era & Legacy
HIST 440:	The World Since 1945
MATH 305:	Probability and Statistics
POLS 350:	International Politics
PSYC 250:	Developmental Psychology
RELS 203:	World Religions

Approved special topics courses will be offered occasionally that meet the TR elective requirement. Those opportunities will be communicated through the TRHLP Office. For a complete list of qualifying honors electives, please consult the TRHL office.

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

Students take additional courses in their discipline major.



# THEODORE ROOSEVELT HONORS LEADERSHIP

## 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
- Submit scholarly work for publication in *AISTHESIS* or *Impressions*
- Responsible Citizenship Initiative

## 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
- Participate in Maximum Impact Simulcast
- Study Tour
- Upper Midwest Honors Council Conference
- DSU Undergraduate Research Conference
- Pay It Forward Tour
- NCHC Alternative Spring Break
- TRHLP Community Service Project

## **YEAR FOUR**

### 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
- Submit scholarly work for publication in *AISTHESIS* or *Impressions*
- National Collegiate Honors Council Conference
- Participation in the Nobel Conference
- Positive Payback Southwest
- Personal Enhancement Retreat

## Spring Semester

LEAD 497H – Internship ..... 2

Students take additional courses in their discipline major.

## Special Learning Opportunities

- Serve as a Freshman Seminar mentor
- Participate in Maximum Impact simulcast
- Undergraduate Research Conference
- Pay It Forward Tour
- Upper Midwest Honors Council Conference

## **TOTAL SEMESTER HOURS FOR GRADUATION WITH TR DISTINCTION.....36**

15 credits of the 36 total, count toward meeting the General Education requirement as substitute courses for baccalaureate degree-seeking students who must complete all 39 hours within the DSU General Education component.

10 credits of independent study, collaborative research, service learning, and study tour credits may be substituted for similar major/discipline requirements.

24 credits of the 36 total are taken in core Honors Leadership courses by all TR Scholars together as a learning community.

The Leadership Studies Minor is earned by completing the 23 credits detailed below.

### **Leadership Studies Minor**

#### **LEADERSHIP STUDIES MINOR**

PSYC 289H – Group Dynamics ..... 3  
 COMM 216 – Intercultural Communication ..... 3  
 ENTR 267H– Entrepreneurship/Leadership Seminar ..... 2  
 LEAD 100H – 21st Century Leadership..... 3  
 LEAD 200H – Leadership & 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 – Service Learning Project ..... 3  
 LEAD 497H– Internship..... 2

**Total Semester Hours..... 23**



## **PRE-PROFESSIONAL STUDIES**

### **COLLABORATIVE PROGRAMS**

#### **COLLABORATIVE ENGINEERING PROGRAM WITH NORTH DAKOTA STATE UNIVERSITY**

Dickinson State University and North Dakota State University have entered into an agreement whereby students can begin their study towards a Bachelor of Science degree in Engineering at DSU. Students can complete 61 hours of course work including introductory engineering courses that will allow them to transfer to North Dakota State and finish engineering degrees in one of four different areas; computer, electrical, industrial, or manufacturing engineering. Students will pay Dickinson State tuition for DSU courses and North Dakota State tuition for NDSU courses along with an engineering program fee each semester. An equivalent grade of C or better must be earned in each course to be awarded transfer credit. Students must declare that they are an engineering major upon admission to Dickinson State in order to be accepted into the collaborative program. Students must apply for separate admission to NDSU and the engineering program. For more information regarding this program, please contact Dr. Paul Johanson, Chair of the DSU Department of Mathematics and Computer Science, (phone 701-483-2744) or Mr. Joel Hanson, Assistant to the Dean of Engineering at North Dakota State University (phone 701-483-9676) [email joel.hanson@ndsu.edu]

#### **SOCIAL WORK LINKAGE PROGRAM WITH MINOT STATE UNIVERSITY**

Dickinson State University has entered into an agreement with Minot State University whereby 84 hours of DSU course work will apply toward the 129 hour Bachelor of Science in Social Work granted through Minot State University. Students will complete general education and program specific course requirements at DSU and then transfer to Minot State University. Minot State University will provide 45 hours of Social Work courses via Interactive Video or Online delivery which allows students to remain in Dickinson to complete their degree. Students will pay DSU tuition rates for Dickinson State courses and MiSU tuition rates for Minot State courses and will be eligible for financial aid through the collaborative student financial aid consortium. For more information regarding this program, contact Dr. David Meier, DSU Chair of the Social Science Department (phone 701-483-2116) or Dr. Charlene Bruley, Social Work Program Director at Minot State University (phone 1-800-777-0750).

#### **PRE-PROFESSIONAL CURRICULA**

The pre-professional curricula are designed to prepare students for additional undergraduate work or graduate study. Students enrolling in these programs are assisted in preparing for an undergraduate professional degree not offered at Dickinson State University, or for admission from Dickinson State University to a graduate or professional school. Specific preparation and course work are arranged in consultation with a pre-professional academic adviser. Some of the options for pre-professional study at Dickinson State University are athletic training, chiropractic, criminal justice and corrections,

dental hygiene, dental technician assistant, dentistry, dietetics, law, medical technology, medicine, mortuary science, occupational therapy, optometry, pharmacy, physical therapy, radiology, seminary, and veterinary medicine.

#### **PRE-ATHLETIC TRAINING**

The pre-athletic training program at Dickinson State University has developed an agreement with the North Dakota State University program. Students may take one or two years at Dickinson State University before applying for admission to the professional component at NDSU. Application must be made during the last year of attendance at Dickinson State University. In addition to the completion of required coursework, it is advisable for the pre-athletic training student to volunteer in a local athletic training department. Admission to any professional program is the prerogative of the faculty of the institution offering that professional program and Dickinson State University cannot guarantee admission. Contact the Department of Health and Physical Education for specific curriculum.

#### **PRE-CHIROPRACTIC**

Dickinson State University can satisfy the 90 semester hour requirement of all accredited colleges of chiropractic in the United States. Contact the Department of Natural Sciences for specific curriculum.

#### **CRIMINAL JUSTICE AND CORRECTIONS**

Students interested in careers in criminal justice and corrections can major in either composite social science or political science. Students take courses in federal, state, and local government; judicial systems; the bureaucracy; criminology; and deviant behavior. Students may complete internships in police, judicial, or corrections agencies. Contact the Department of Social Sciences for specific curriculum.

#### **PRE-DENTAL HYGIENE**

Students interested in a career in dental hygiene may fulfill their requirements in the sciences and in general education at the University before seeking admission to an accredited dental hygiene program, such as the one at the North Dakota State College of Science. Admittance to dental hygiene programs is competitive and an additional year of preparation may be helpful to many candidates, especially those with a weak high school science background. The prospective pre-dental hygiene student should take at least one year each of algebra, biology, and chemistry in high school. Admission to a dental hygiene program is dependent on several factors including grade point average, science grades, ACT scores, and a personal interview. Contact the Department of Natural Sciences for specific curriculum.

#### **PRE-DENTAL TECH/ASSISTANT**

The first year of the required course work is available at DSU to allow the student to be eligible to transfer to the appropriate Dental Tech/Assistant program. Please see the Department of Natural Sciences for more information and for the specific

## **PRE-PROFESSIONAL STUDIES**

curriculum for the pre-dental tech/assistant training see the pre-professional grid found in the next few pages in this catalog.

### **PRE-DENTISTRY**

Dental schools typically require students to have a minimum of three years of post-secondary education including courses in chemistry, organic chemistry, biology, and physics. All dental schools require students to take the Dental Admission Test (DAT). The State of North Dakota has agreements with a number of dentistry schools reserving openings for North Dakota residents, and the state pays a portion of the tuition. Students planning to seek tuition support from North Dakota for out-of-state schools should notify both the North Dakota State Board of Higher Education and their Dickinson State University advisor. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-DIETETICS**

Students interested in careers in dietetics may fulfill their requirements in the sciences and general education at Dickinson State University before seeking admission to an accredited dietetics program. The pre-dietetic advising program at Dickinson State University is designed to provide the first two years of a four-year degree program. The prospective pre-dietetic student should take at least one year of algebra, biology, and chemistry in high school. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-LAW**

Preparation for law school requires a broad but rigorous undergraduate education. A course of study that promotes critical thinking and writing skills is recommended. Dickinson State University offers two ways for a student to gain these skills. First, a Bachelor of Arts degree provides an excellent general education core, preparation in either a German or Spanish language, majors and minors for the substantive knowledge and skills needed for law school, and specialized options tailored to student interests. Second, a Bachelor of University Studies provides the same strong core education, but allows the student a wider range of options to design a course of study specific to preparation for law school.

Whether the Bachelor of Arts or Bachelor of University Studies is chosen as a degree goal, students can expect the following at Dickinson State University:

- Specialized advising by faculty who will assist in a degree plan best suited to the demands of law schools and unique career plans.
- Specialized preparation for specific areas of legal practice.
- Guidance in preparation for the Law School Admissions Test and applications for law school.

Contact the Department of Social Sciences for specific curriculum.

### **PRE-MEDICAL TECHNOLOGY**

Students wishing to pursue a career in medical technology may complete 2-3 years at Dickinson State University before transferring to a school such as Minot State University. Students are encouraged to visit their local hospital laboratories. Admission to Minot State University does not guarantee acceptance into the clinical year. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-MEDICINE**

Pre-medicine is not a major; it is a program of study which prepares a student to apply to medical school. Although some medical schools require only three years of undergraduate work, the majority prefer that the entering student have a bachelor's degree. The University of North Dakota (UND) Medical School (and most others) does not care what kind of academic major a prospective student is pursuing, as long as a particular core of coursework is achieved. Prospective university medical students are strongly urged to declare a major area of study and to pursue a degree program at the baccalaureate level. The philosophy of education, the required pre-medicine courses, and the systems of training vary among the medical schools. All recognize the desirability of a broad education, a good foundation in the natural sciences (mathematics, chemistry, biology, physics), highly developed communication skills, and a solid background in the social sciences and humanities.

Other medical schools have similar requirements but their catalogs should be consulted. It is recommended that Pre-medicine students at Dickinson State University take more than the minimum requirements.

In order to be prepared for college coursework, high school students wishing to follow a Pre-medicine track as undergraduates should take at least one year each of biology, chemistry, and physics, and two or more years of math while in high school. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-MORTUARY**

Students interested in mortuary science may complete one or two years of college before entering a professional program in mortuary science. The pre-professional curriculum varies, depending on whether the student is transferring to a two-year or four-year program. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-OCCUPATIONAL THERAPY**

The pre-occupational therapy program at Dickinson State University has been developed to articulate with the University of North Dakota program. Students may take one or two years at Dickinson State University before applying for admission to the professional component at UND. Application must be made during the last year of attendance at Dickinson State University. In addition to the completion of required coursework, the pre-occupational therapy student is advised to volunteer in a local occupational therapy department.

## **PRE-PROFESSIONAL STUDIES**

Admission to any professional program is the prerogative of the faculty of the institution offering that professional program and Dickinson State University cannot guarantee admission. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-OPTOMETRY**

Admission to a college of optometry requires a high school diploma and two to four years of study at an accredited college or university. Most students accepted to colleges of optometry have completed three years of college and a large percentage have bachelor's degrees. In high school, the students should take at least one year of biology, chemistry, and physics, and as much mathematics as possible, including algebra, geometry, and trigonometry. The curriculum at the University will depend on the individual student's interest and the college of optometry where the student plans to apply. Each student will take a minimum of one year of biology, chemistry, physics, mathematics, and English. Students planning to seek tuition support from North Dakota for out-of-state schools should notify both the North Dakota State Board of Higher Education and their University adviser. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-PHARMACY**

A career in pharmacy requires five or six additional years of study following high school. The majority of colleges of pharmacy require a student to have two years of liberal study at an accredited college or university prior to admission. Following three to four years of additional study at an accredited college of pharmacy, the student is eligible to take a licensure examination in the state where he/she plans to practice. The pre-pharmacy program at Dickinson State University is designed to meet the interests of the students as well as to satisfy the entrance requirements for the particular pharmacy school. Admission into a school of pharmacy is on a competitive basis. The criteria for admission include grade point average (especially in the sciences) and performance on a pharmacy school admission exam. The only school of pharmacy in the state is at North Dakota State University. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-PHYSICAL THERAPY**

Physical therapy has become a six-year, two summer doctorate degree curriculum in most programs in the United States, including the University of North Dakota. The pre-physical therapy program at Dickinson State University has been

developed to articulate with the UND program. Students may take one or two years at Dickinson State University before applying for admission to the professional component at UND. Application must be made during the last year of attendance at Dickinson State University. In addition to the coursework required, it is advisable for the pre-physical therapy student to volunteer in a local physical therapy department. Admission to any professional program is the prerogative of the faculty of the institution offering that professional program and Dickinson State University cannot guarantee admission. Contact the Department of Natural Sciences for specific curriculum.

### **PRE-RADIOLOGIC TECHNOLOGY**

The first two years of course work is available at DSU to allow the student to be eligible to transfer to the appropriate radiologic technology school for the completion of their training. University advisor – Please see the Department of Natural Sciences for more information and for the specific curriculum for pre-radiologic technology see the pre-professional grid found in the next few pages in this catalog.

### **PRE-VETERINARY MEDICINE**

All veterinary schools require applicants to have taken undergraduate courses in chemistry, biology, mathematics, and physics. Exact requirements vary from school to school. Admission is highly competitive and is based on several factors including GPA (with an emphasis on required courses), scores on the Veterinary Aptitude Test and interview. The State of North Dakota has agreements with a number of veterinary schools reserving openings for North Dakota residents, and the state pays a portion of the tuition. Students planning to seek tuition support from North Dakota for an out-of-state school should notify both the North Dakota State Board of Higher Education and their Dickinson State University adviser. Contact the Department of Natural Sciences for specific curriculum.

### **GRADUATE PROGRAMS DELIVERED IN DICKINSON**

On demand the University of North Dakota delivers the following Graduate Programs to the Dickinson area:

Masters in Business Administration  
Masters in Counseling  
Ph.D. Educational Leadership (Bismarck)

## PRE-PROFESSIONAL STUDIES

### Pre-Professional Suggested DSU Coursework

Note: It is the student's responsibility to obtain transferring school's catalog and assure proper coursework has been met.

	Chiropractic	Dental Hygienist	Dental Tech/Assist	Dentistry	Dietetics	Engineering	Mortuary Science	Medical Technology	Medicine	Occupational Therapy	Optometry	Pharmacy	Physical Therapy	Radiology	Veterinary
BIOL 150/150L General Biology Lab	X			X	X		X	X	X	X	X	X	X		X
BIOL 211/211L Human Anat/Lab OR BOP 340 Comparative Anatomy	X	X	X	X			X	X	X	X	X	X	X	X	X
BIOL 212/212L Human Physio/Lab	X	X	X	X	X			X	X	X	X	X	X	X	
BIOL 302/302L Microbiology/Lab	X	X	X	X	X			X	X		X	X	X	X	X
BIOL 315/315L Genetics/Lab				X				X	X						X
BIOL 410/410L Animal Physiology/Lab															X
CHEM 115/115L Intro Chemistry/Lab		X					X			X				X	
CHEM 116/116L Org & Biochem/Lab		X					X			X					
CHEM 121/121L Gen Chemistry I/Lab	X			X	X	X		X	X	OR X	X	X	X		X
CHEM 122/122L Gen Chemistry II/Lab	X			X	X	X		X	X	X	X	X	X		X
CHEM 341/341L Organic Chem I/Lab	X			X	X			X	X		X	X			X
CHEM 342/342L Organic Chem II/Lab	X			X				X	X		X	X			X
CHEM 320 Quantitative Analysis								X							
CHEM 330 Analytical Instrumentation								X							
CHEM 360 Biochemistry				X	X			X	X		X	X			X
MATH 103 College Algebra										X					
MATH 305 Probability & Statistics				X	X	X		X	X	X	X		X	X	X
MATH 165 Calculus I				X		X		Pre- Calc	*		X	X		Pre- Calc	X
MATH 166 Calculus II				X		X			*		X	X			X
PHYS 211/211L College Phys I/Lab	X			X		Univ		X	X		X	X	X	X	X
PHYS 212/212L College Phys II/Lab	X			X		Univ		X	X		X	X	X	X	X
<b>Bachelor's Degree required</b>				X					X		X				X
Can transfer after 1 year		X	X				X			X				X	
Can transfer after 2 year		X			X	X	X					X			
Can transfer after 3 year	X							X					X		X

\* Strongly recommended - some medical schools require Calculus I

# GENERAL EDUCATION CURRICULUM

## I. INSTITUTIONAL ACADEMIC REQUIREMENTS

### FRESHMAN SEMINAR COURSE

(ASC 100 = Freshman Seminar - 1 credit)

#### Who is required to take this course?

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.

#### When must this course be taken?

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.

#### What is the purpose of this course?

1. 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.
2. The course will help student's adjust to college in their academic, personal, and social lives.
3. The course will help develop and strengthen decision-making, problem solving, critical thinking, and career exploration skills.

## II. NORTH DAKOTA UNIVERSITY SYSTEM GENERAL EDUCATION REQUIREMENT TRANSFER AGREEMENT (GERTA)

Please review the following Dickinson State University General Education courses in section III. Only the courses marked with a "G" (along side of the credits for each course) are GERTA-approved courses. Only those courses will count toward either Phase I or Phase II of the North Dakota University System General Education Requirement Transfer Agreement (GERTA). Be aware that any course not marked with the "G" WILL NOT count toward meeting the GERTA regulations.

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:

1. 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.

2. 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.

## III. GENERAL EDUCATION CURRICULUM

**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 six 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 GE 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 controls the specific class or group.

Coursework in this program is designed to help students develop breadth of view and judgment in order to be more intellectually, socially, and culturally responsive as citizens, consumers, and leaders in a global and multi-cultural society. The General Education curriculum was chosen with respect to meeting Institutional Learning Outcome I (Critical Thinking), II (Communication and Technology), III (Multicultural and Global Awareness), IV (Aesthetic Appreciation), and VI (Health and Wellness).

Courses that are listed both as General Education requirements/selections and as requirements for a MAJOR or MINOR will satisfy both requirements but will not reduce the total credit requirements for graduation.

# GENERAL EDUCATION CURRICULUM

## **GROUP I – COMMUNICATION AND TECHNOLOGY**

### **(INSTITUTIONAL LEARNING OUTCOMES I & II)**

**Critical Thinking Skills: Students will demonstrate critical thinking in a variety of contexts for life-long learning.**

**Communication and Technology Skills: Students will demonstrate proficiency in communication skills in a variety of forms including the effective use of current technologies and other information resources.**

Students must complete the following:

- A. ENGL 110 – College Composition I or ..... 3 G  
ENGL 111H – Honors Composition I ..... 3 G
- B. ENGL 120 – College Composition II or ..... 3 G  
ENGL 121H – Honors Composition II ..... 3 G
- C. COMM 110 – Fundamentals of Public Speaking or ..... 3 G  
COMM 111H – Honors Public Speaking ..... 3 G  
**TOTAL ..... 9 credit hours**
- D. CSCI 101 – Introduction to Computers ..... 3 G

## **GROUP II – NATURAL SCIENCES**

### **(INSTITUTIONAL LEARNING**

### **OUTCOMES I, II, VI)**

**Critical Thinking Skills: Students will demonstrate critical thinking in a variety of contexts for life-long learning.**

**Communication and Technology Skills: Students will demonstrate proficiency in communication skills in a variety of forms including the effective use of current technologies and other information resources.**

**Health and Wellness Knowledge: Students will demonstrate knowledge of the importance of health, wellness, and maintaining a healthy lifestyle.**

Students must complete any of the following:

- A. Any natural science course and the corresponding laboratory totaling four or more credits.  
ASTR 110, 110L – Introductory Astronomy and Lab ..... 4  
BIOL 111, 111L – Concepts of Biology & Lab ..... 4 G  
BIOL 150, 150L – General Biology I and Lab ..... 4  
CHEM 115, 115L – Introductory Chemistry I and Lab .. 4 G  
CHEM 121, 121L – General Chemistry I and Lab ..... 5  
GEOL 100, 100L – Earth Science and Lab ..... 4 G  
GEOL 105, 105L – Physical Geology and Lab ..... 4 G  
GEOL 106, 106L – The Earth Through Time and Lab ... 4  
PHYS 211, 211L – College Physics I and Lab ..... 4 G  
SCNC 105, 105L – Physical Science and Lab ..... 4 G  
**TOTAL ..... 4 credit hours**

- B. Any math course of 3 or more credits numbered 103 or higher; except MATH 277.  
MATH 103 – College Algebra ..... 4 G  
MATH 107 – Pre-Calculus ..... 4 G  
MATH 110 – Liberal Arts Mathematics ..... 3  
MATH 146 – Applied Calculus ..... 3 G  
MATH 165 – Calculus I ..... 4 G  
MATH 305 – Probability & Statistics ..... 4 G  
**TOTAL ..... 4 credit hours**

## **GROUP III – EXPRESSIONS OF HUMAN CIVILIZATION**

### **(LEARNING OUTCOMES I, III, IV)**

**Critical Thinking Skills: Students will demonstrate critical thinking in a variety of contexts for life-long learning.**

**Multicultural and Global Experience: Students will demonstrate knowledge of national and international multiculturalism and the importance of global citizenship.**

**Aesthetic Experience: Students will demonstrate knowledge of the arts and humanities including participation in artistic activities.**

Students must complete one course from AREA A, one course from AREA B, and three credits from AREA C or complete one additional course from either AREA A or AREA B.

### **A. Foundational Expressions**

- ART 110 – Introduction to the Visual Arts ..... #3 G
- ART 122 – Two-Dimensional Design ..... 3 G  
(Elementary Education Majors, Art Majors, Art Minors Only)
- COMM 216 – Intercultural Communications ..... #3 G
- COMM 280 – Understanding Film & TV ..... 3 G
- ENGL 211 – Introduction to Creative Writing ..... 3 G
- MUSC 100 – Music Appreciation ..... #3 G
- MUSC 110 – Foundations of Music ..... 3 G  
(Elementary Education Majors Only)
- PHIL 101 – Introduction to Philosophy ..... 3 G
- THEA 110 – Introduction to Theater ..... #3 G
- RELS 203 – World Religions ..... #3 G  
**TOTAL ..... 3 credit hours**

### **B. Literary Expressions**

- ENGL 220 – Introduction to Literature ..... #3 G
- ENGL 232 – Mythology ..... #3 G
- ENGL 236 – Women and Literature ..... #3 G
- ENGL 241 or 242 – World Literature I or II ..... #3 G
- ENGL 251 or 252 – British Literature I or II ..... #3 G
- ENGL 261 – American Literature I ..... 3 G
- ENGL 262 – American Literature II ..... #3 G  
**TOTAL ..... 3 credit hours**

## GENERAL EDUCATION CURRICULUM

### C. Applied Expressions

ART 250 – Ceramics I.....	3 G
ART 130 – Drawing I.....	3 G
ART 225 – Water Media I .....	3 G
ART 280 – Photography I .....	3 G
MUSC 236 – Chorale.....	*1 G
MUSC 237 – Concert Band .....	*1 G
COMM 211 – Oral Interpretation.....	3 G
THEA 161 – Acting I.....	1 G
THEA 201-301 – Theatre Practicum.....	*1 G
Foreign Language 101 or higher .....	#4 G
<b>TOTAL .....</b>	<b>3 credit hours</b>

### GROUP IV – UNDERSTANDING HUMAN CIVILIZATION

(LEARNING OUTCOMES I, III, IV)

**Critical Thinking Skills: Students will demonstrate critical thinking in a variety of contexts for life-long learning.**

**Multicultural and Global Experience: Students will demonstrate knowledge of national and international multiculturalism and the importance of global citizenship.**

**Aesthetic Experience: Students will demonstrate knowledge of the arts and humanities including participation in artistic activities.**

Students must choose at least one course from each of the following three groups:

#### A. Historical Perspectives:

HIST 103 – U.S. to 1877.....	3 G
HIST 104 – U.S. since 1877.....	3 G
HIST 211 – World Civilizations to 1500.....	#3 G
HIST 212 – World Civilizations since 1500.....	#3 G
<b>TOTAL .....</b>	<b>3 credit hours</b>

#### B. Human Behavior:

PSYC 111 – Introduction to Psychology.....	3 G
SOC 110 – Introduction to Sociology .....	#3 G
SOC 115 – Social Problems .....	#3 G
<b>TOTAL .....</b>	<b>3 credit hours</b>

#### C. Social Interaction:

ECON 105 – Elements of Economics .....	3 G
ECON 106 – Global Economics .....	#3 G
ECON 201 – Principles of Microeconomics.....	3 G
GEOG 121 – Physical Geography .....	3 G
GEOG 161 – World Regional Geography .....	#3 G
EDUC 300 – Teaching for Diversity .....	#3 G
(Education Majors Only)	
POLS 115 – American Government.....	3 G
GEOG 361 – Latin America and the Caribbean.....	#3 G
LEAD 100H – 21st Century Leadership	
(TR Scholars Only).....#3	
<b>TOTAL.....</b>	<b>3 credit hours</b>

### GROUP V – MULTI-CULTURAL STUDIES (LEARNING OUTCOMES I, III, IV)

**Critical Thinking Skills: Students will demonstrate critical thinking in a variety of contexts for life-long learning.**

**Multicultural and Global Experience: Students will demonstrate knowledge of national and international multiculturalism and the importance of global citizenship.**

**Aesthetic Experience: Students will demonstrate knowledge of the arts and humanities including participation in artistic activities.**

Multicultural courses will provide an opportunity for developing an awareness of the histories, cultures and contributions of diverse groups beyond the regional and ethnic boundaries of Dickinson State University. The purpose of these courses is to expand students' horizons and to make them into globally informed citizens.

In order to fulfill Group V requirements, students must select a minimum of **three courses** from those courses which are marked with the symbol # in Groups III and IV. By doing so, students will meet the requirements of the multi-cultural component of Dickinson State University's General Education program.

Multicultural studies that meet the three course requirements in this area, i.e., all foreign language courses will count toward meeting the multicultural studies requirement.

### GROUP VI – HEALTH & WELLNESS (LEARNING OUTCOME VI)

**Health and Wellness Knowledge: Students will demonstrate knowledge of the importance of health, wellness, and maintaining a healthy lifestyle.**

Students must complete:

HPER 100 – Concepts of Fitness and Wellness .....	2
<b>TOTAL.....</b>	<b>2 credit hours</b>

\* course may be repeated for credit

# course satisfies Group V requirement

G = GERTA approved course (General Education Requirement Transfer Agreement of the North Dakota University System.



## COLLEGE OF ARTS AND SCIENCES



### **Dr. Jon Brudvig, Interim Dean**

- **Department of Fine and Performing Arts**
- **Department of Language and Literature**
- **Department of Mathematics and Computer Science**
- **Department of Music**
- **Department of Natural Sciences**
- **Department of Social Sciences**

# DEPARTMENT OF FINE AND PERFORMING ARTS

## **FACULTY**

Full-time Faculty: Haight-Chair, Carr, Eacret-Simmons, Gingerich, Grabowsky, Lee, Marcusen, Y. Quijano, Snavely, Walter-Frojen

The Department of Fine and Performing Arts offers degree programs in Art, Communication, Dance, Graphic Design, 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, with exhibitions and performances and through teaching, add to the quality of life wherever they eventually make their homes.

## **ART**

The Dickinson State Art program provides instruction which leads to elementary or secondary 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.

## **MAJORS AND MINORS**

### **MAJORS**

- Bachelor of Science in Education in Art Education (Secondary Education)
- Bachelor of Arts in Art
- Bachelor of Science in Art Entrepreneurship

### **MINORS**

- Art Education (Elementary Education)
- Art Education (Secondary Education)
- Art

A Bachelor of Science in Education in Art Education degree requires coursework including General Education, the major, a minor, professional education, and electives to equal a minimum of 128 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 128 semester hours.

A Bachelor of Arts degree in Art requires coursework including General Education, 16 credits of foreign language, the major, a minor, and electives to equal a minimum of 128 semester hours.



# DEPARTMENT OF FINE AND PERFORMING ARTS

## **Bachelor of Science in Education Degree Art Education**

### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses**

#### **Professional Secondary Education**

### **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, IV, and V.)
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, IV, and V.)
3. The ability to identify sources and tools for art historical research, to reflect on gallery and museum exhibitions on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
4. The ability to write an artist's statement, an exhibition announcement, a press release, and to present his or her work professionally. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. Familiarity with an appreciation for a wide range of culturally and socially diverse art forms, representations, and practices. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
6. Technical and conceptual expertise in the creation of visual statements. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
7. An understanding of the principles of design and elements of composition. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
8. The ability to choose appropriate techniques, tools and technologies and the expressive and sensitive handling of those materials in two-dimensional and three-dimensional art. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
9. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
10. An understanding of the health risks for artists and safe handling of materials and equipment. (This learning outcome directly addresses Institutional Learning Outcomes V, and VI.)

11. Effective planning, teaching, and assessment skills for art education in an elementary and/or secondary institution as prescribed by the North Dakota Education Standards and Practices Board. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)

### **ART EDUCATION MAJOR SECONDARY EDUCATION**

ART 122 - Two-Dimensional Design .....	3
ART 124 - Three-Dimensional Design .....	3
ART 210 – History of Art I or ART 211 – History of Art II or ART 312 – Contemporary Art History .....	3
ART 225 – Water Media I or ART 220 – Oil Painting I .....	3
ART 130 - Drawing I .....	3
ART 230 - Drawing II .....	3
ART 250 - Ceramics I .....	3
ART 270 - Printmaking I or ART 280 – Photography I .....	3
ART 310 – Modern Art History .....	3
ART 405 – Senior Exhibition Lab .....	1
ART 410 - Senior Exhibition .....	2
SEED 490A - Art Methods for Secondary Education.....	3
Electives in Art.....	6

**TOTAL SEMESTER HOURS.....39**

- Note: In addition to completing the Secondary Professional Education Sequence, students desiring K-12 licensure for education must also complete ELED 290A - Art Methods for Elementary Education and ELED 298 - Pre-Professional Experience: Elementary.

## **Bachelor of Science Degree Art Entrepreneurship**

### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses**

#### **Entrepreneurship**

#### **Electives**

### **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, IV, and V.)
2. 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, IV, and V.)

# DEPARTMENT OF FINE AND PERFORMING ARTS

3. The ability to identify sources and tools for art historical research, to reflect on gallery and museum exhibitions on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
4. The ability to write an artist’s statement, an exhibition announcement, a press release, to design and install, and light an exhibition, to design and prepare a portfolio, and to present his or her work professionally. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. Familiarity with an appreciation for a wide range of culturally and socially diverse art forms, representations, and practices. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
6. Technical and conceptual expertise in the creation of visual statements. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
7. An understanding of the principles of design and elements of composition. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
8. The ability to choose appropriate techniques and tools and the expressive and sensitive handling of those materials in two-dimensional and three-dimensional art. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
9. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
10. An understanding of the health risks for artists and safe handling of materials and equipment. (This learning outcome directly addresses Institutional Learning Outcomes V, and VI.)

## **ART ENTREPRENEURSHIP MAJOR**

ART 122 – Two-Dimensional Design.....	3
ART 124 - Three-Dimensional Design .....	3
ART 130 – Drawing I.....	3
ART 210 – History of Art I or ART 211 – History of Art II or ART 310 – Modern Art History.....	3
ART 220 - Painting I.....	3
ART 230 - Drawing II.....	3
ART 250 – Ceramics I .....	3
ART 270 – Printmaking I .....	3
ART 280 – Photography I.....	3
ART 297 – Internship (Gallery).....	2
ART 311 – Professional Practices.....	3
ART 312 – Contemporary Art History.....	3
ART 405 – Senior Exhibition Lab .....	1
ART 480A – Senior Exhibition.....	2
ART 497 – Art Internship (External) .....	2
GDES 241 – Graphic Design.....	3
GDES 347 – Web Design.....	3
Electives (To be selected from ART and GDES 300 level courses) .	9

**TOTAL SEMESTER HOURS..... 55**

Majors in Art Entrepreneurship also must complete the Entrepreneurship for Non-business Students Minor.

## **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:

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, IV, and V.)
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, IV, and V.)
3. The ability to identify sources and tools for art historical research, to reflect on gallery and museum exhibitions on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
4. To write an artist’s statement, an exhibition announcement, a press release, and to present his or her work professionally. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. Familiarity with an appreciation for a wide range of culturally and socially diverse art forms, representations, and practices. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
6. Technical and conceptual expertise in the creation of visual statements. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
7. An understanding of the principles of design and elements of composition. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
8. The ability to choose appropriate techniques and tools and the expressive and sensitive handling of those materials in two-dimensional and three-dimensional art. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
9. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
10. An understanding of the health risks for artists and safe handling of materials and equipment. (This learning outcome directly addresses Institutional Learning Outcomes V, and VI.)

## DEPARTMENT OF FINE AND PERFORMING ARTS

### ART MAJOR

ART 122 – Two-Dimensional Design.....	3
ART 124 - Three-Dimensional Design .....	3
ART 130 – Drawing I.....	3
ART 210 – History of Art I or ART 211 – History of Art II.....	3
ART 220 - Painting I or ART 225 - Water Media I .....	3
ART 230 - Drawing II.....	3
ART 250 – Ceramics I .....	3
ART 270 – Printmaking I or ART 280 – Photography I.....	3
ART 311 – Professional Practices.....	3
ART 310 – Modern Art History .....	3
ART 312 – Contemporary Art History.....	3
ART 405 – Senior Exhibition Lab .....	1
ART 410 – Senior Exhibition.....	2
Electives in Art.....	6
Must be selected from ART and/or GDES courses 300 or higher	

**TOTAL SEMESTER HOURS..... 42**

### Minors

#### ART EDUCATION MINOR

##### ELEMENTARY EDUCATION

ART 122 – Two-Dimensional Design.....	3
ART 124 – Three-Dimensional Design .....	3
ART 130 – Drawing I.....	3
ART 220 – Painting I or ART 225 – Water Media I .....	3
ART 230 – Drawing II .....	3
ART 250 – Ceramics I .....	3
ART 310 – Modern Art History .....	3
ART 405 – Senior Exhibition Lab .....	1
ART 411 – Senior Exhibition.....	1
ELED 290A – Art Methods for Elementary Education .....	3

**TOTAL SEMESTER HOURS..... 26**

#### ART EDUCATION MINOR

##### SECONDARY EDUCATION

ART 122 – Two-Dimensional Design.....	3
ART 124 – Three-Dimensional Design .....	3
ART 130 – Drawing I .....	3
ART 220 – Painting I or ART 225 – Water Media I.....	3
ART 230 – Drawing II .....	3
ART 250 – Ceramics I .....	3
ART 310 – Modern Art History .....	3
ART 405 – Senior Exhibition Lab .....	1
ART 411 – Senior Exhibition.....	1
SEED 490A – Art Methods for Secondary Education .....	3

**TOTAL SEMESTER HOURS..... 26**

### ART MINOR

ART 122 – Two-Dimensional Design.....	3
ART 124 – Three-Dimensional Design .....	3
ART 130 – Drawing I.....	3
ART 220 – Painting I or ART 225 – Water Media I .....	3
ART 230 – Drawing II .....	3
ART 310– Modern Art History .....	3
ART 405 – Senior Exhibition Lab .....	1
ART 411 – Senior Exhibition.....	1
Electives in Art.....	6

**TOTAL SEMESTER HOURS..... 26**

### 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.

### MAJORS

- Bachelor of Science in Education in Communication Education (Secondary Education)
- Bachelor of Arts in Communication

### MINORS

- Communication
- Communication Education (Elementary Education or Secondary Education)

A Bachelor of Science in Education degree requires General Education, the major, a minor, Professional Education and electives to equal a minimum of 128 semester hours.

A Bachelor of Arts degree in Art requires coursework including General Education, 16 credits of foreign language, the major, a minor, and electives to equal a minimum of 128 semester hours.



# DEPARTMENT OF FINE AND PERFORMING ARTS

## **Bachelor of Science in Education Degree Communication Education**

### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses**

#### **Professional Secondary Education**

### **STUDENT LEARNING OUTCOMES**

The graduate from this program will have demonstrated:

1. The ability to analyze and critically evaluate a variety of communication practices, messages, and functions in public, interpersonal, intercultural, group and mediated contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV, and V.)
2. An understanding of communication theory as it applies to various practices, messages, and functions in public, interpersonal, intercultural, group and mediated contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV, and V.)
3. Competencies for ethical and effective communication of diverse form and function in public, interpersonal, intercultural, group and mediated contexts. (This learning outcome directly addresses Institutional Learning Outcomes II, III, IV, and V.)
4. An understanding of and appreciation for a diverse range of cultural and social communication processes and practices. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
5. The ability to practice and facilitate engagement in a multicultural, global society. (This learning outcome directly addresses Institutional Learning Outcomes II, III, IV, and V.)
6. Effective planning, teaching, and assessment skills for communication education in a secondary institution as prescribed by the North Dakota Education Standards and Practices Board. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)

## **COMMUNICATION EDUCATION MAJOR - SECONDARY EDUCATION**

COMM 201 – Coaching Forensics .....	2
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 316 – Meeting Management.....	3
COMM 317 – Organizational Communication .....	3
SEED 490L – Methods of Teaching Secondary Language Arts.....	3
Electives .....	6
Select from any COMM, ENTR, PSYC, or THEA courses numbered above 200	
<b>TOTAL SEMESTER HOURS.....</b>	<b>38</b>

Students must earn a grade of C or better in all required (non-elective) courses in this program.

## **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:

1. The ability to analyze and critically evaluate a variety of communication practices, messages, and functions in public, interpersonal, intercultural, group and mediated contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV, and V.)
2. An understanding of communication theory as it applies to various practices, messages, and functions in public, interpersonal, intercultural, group and mediated contexts. (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV, and V.)
3. Competencies for ethical and effective communication of diverse form and function in public, interpersonal, intercultural, group and mediated contexts. (This learning outcome directly addresses Institutional Learning Outcomes II, III, IV, and V.)
4. An understanding of and appreciation for a diverse range of cultural and social communication processes and practices. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
5. The ability to practice and facilitate engagement in a multicultural, global society. (This learning outcome directly addresses Institutional Learning Outcomes II, III, IV, and V.)

# DEPARTMENT OF FINE AND PERFORMING ARTS

## COMMUNICATION MAJOR

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 316 – Meeting Management.....	3
COMM 317 – Organizational Communication .....	3
COMM 497 – Communication Internship .....	3
Electives .....	6
Select additional COMM, ENTR, PSYC, or THEA courses numbered above 200	

**TOTAL SEMESTER HOURS..... 36**

Students must earn a grade of C or better in all required (non-elective) courses in this program.

## Minors

### COMMUNICATION EDUCATION MINOR ELEMENTARY OR SECONDARY EDUCATION

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
SEED 490L - Methods of Teaching Secondary Language Arts.....	3
Electives .....	6

Select additional COMM courses numbered above 200

**TOTAL SEMESTER HOURS..... 24**

### COMMUNICATION MINOR

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
Electives .....	9

Select additional COMM numbered above 200

**TOTAL SEMESTER HOURS..... 24**

## DANCE

The Dickinson State Dance program provides students with an opportunity to pursue the study of dance at the undergraduate level. As a healthy, fun and creative life style choice, dance will increase a student’s quality of life. Students will build the skills and conditioning to perform with and choreograph for dance ensembles in educational institutions and the community. Students will also learn more about the creative process and make the connections across the curriculum that can lead to live-long learning. Students will also receive the preparation needed for advanced study of dance.

## MINOR

- Dance

### STUDENT LEARNING OUTCOMES

The graduate from this program will have demonstrated:

1. The ability to make informed assessments of quality in dance and to display selectivity and judgment while participating in dance and choreography. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
2. Familiarity with dance technique and movement vocabulary, including ballet, modern jazz, and tap styles. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
3. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
4. The ability to follow through on a rehearsal sequence and to perform successfully a dance routine in public. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. An understanding of the operation of and care for the human body when engaged in dance. (This learning outcome directly addresses Institutional Learning Outcomes I, V, and VI.)

### DANCE MINOR

DANC 102 – Ballet I .....	1
DANC 104 – Modern I .....	1
DANC 105 – Jazz I .....	1
MUSC 110 – Foundations of Music .....	3
THEA 110 – Introduction to Theatre .....	3
DANC 202 – Ballet II .....	1
DANC 203 – Tap Dance .....	1
DANC 204 – Modern II .....	1
DANC 205 – Jazz II.....	1
THEA 210 – Movement for the Theatre .....	1
DANC 250 – Dance Performance.....	3
HPER 292 – Survey of Human Anatomy .....	3
HPER 328 – Biomechanics.....	3
DANC 305 – Language and History of Dance .....	1
DANC 320 – Choreography .....	2

**TOTAL SEMESTER HOURS..... 26**



# DEPARTMENT OF FINE AND PERFORMING ARTS

## 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.

## MINOR

- Graphic Design

## 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, IV, and V.)
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, IV, and V.)
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 II, IV, and V.)
4. A combination of visual, conceptual and technical expertise in digital art. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
5. An understanding of the principles of design, composition, and color. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
6. The ability to choose appropriate techniques and tools and to sensitively handle those materials in two-dimensional and digital art. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
7. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)

## GRAPHIC DESIGN MINOR

ART 122 – Two-Dimensional Design .....	3
ART 130 – Drawing I .....	3
ART 280 – Photography I.....	3
GDES 241 – Graphic Design I .....	3
GDES 342 – Graphic Design II.....	3
GDES 343 – Graphic Design III .....	3
GDES 345 – Portfolio Preparation .....	1
GDES 347 – Web Design .....	3
GDES 497 – Graphic Design Internship .....	3
Select any <u>one</u> of the following electives .....	3
ART 230 – Drawing .....	3
ART 312 – Contemporary Art History .....	3
ART 380 – Photography II .....	3
ART 385 – Digital Photography .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>28</b>

## THEATRE

The Dickinson State University Theatre program provides instruction that leads to excellent problem solving and people skills and careers in secondary education, the professional world, or graduate school. The program is committed to an instructional 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.

## MAJORS

- Bachelor of Science in Education in Theatre Education (Secondary Education)
- Bachelor of Arts in Theatre

## MINORS

- Theatre Education (Elementary Education or Secondary Education)
- Theatre

Bachelor of Science in Education degree requires General Education, the major, a minor, Professional Education and electives to equal a minimum of 128 semester hours.

Bachelor of Arts degree requires General Education, 16 credits of foreign language, the major, a minor and electives to equal 128 semester hours.



# DEPARTMENT OF FINE AND PERFORMING ARTS

## **Bachelor of Science in Education Degree Theatre Education**

### **Degree Requirements:**

**General Education Courses**

**Major Courses**

**Minor Courses**

**Professional Secondary Education**

### **STUDENT LEARNING OUTCOMES**

The graduate from this program will have demonstrated:

1. The ability to make informed assessments of quality in theatrical and to display selectivity and judgment while participating in the creation of theatrical art. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
2. Analytical abilities for understanding meaning in dramatic literature and familiarity with the means by which the elements of production can establish and reinforce that meaning. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
3. The ability to identify sources and tools for historical research in theatre, to reflect on theatrical performances on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
4. Familiarity with a diverse body of dramatic literature of different genre, style, period, and culture. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
5. An understanding of the practices, conventions, problems, and issues throughout the history of the western theatre and in contemporary times. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
6. The ability to create theatrical designs and to implement technical solutions for production. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
7. An understanding of and the ability to execute established approaches to acting and skills and duties necessary for the stage director. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
8. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
9. The ability to follow through on a rehearsal sequence or construction schedule and to bring a role or design to a successful public performance. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
10. Effective planning, teaching, and assessment skills for theatre education in a secondary institution as prescribed by the North Dakota Education Standards and Practices Board. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)

## **THEATRE EDUCATION MAJOR COURSES SECONDARY EDUCATION**

THEA 161 – Acting I.....	2
THEA 200, 300 – Production Workshop.....	4
THEA - 201, 301– Theatre Practicum .....	3
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.....	2
THEA 491 – Theatre Seminar .....	3
SEED 490L – Methods of Teaching Secondary Language Arts.....	3
COMM 211 - Oral Interpretation .....	3
Electives .....	3
Select from any COMM, DANC or THEA courses numbered above 200	

**TOTAL SEMESTER HOURS..... 40**

## **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. The ability to make informed assessments of quality in theatrical activities and to display selectivity and judgment while participating in the creation of theatrical art. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
2. Analytical abilities for understanding meaning in dramatic literature and familiarity with the means by which the elements of production can establish and reinforce that meaning. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
3. The ability to identify sources and tools for historical research in theatre, to reflect on theatrical performances on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
4. Familiarity with a diverse body of dramatic literature of different genre, style, period, and culture. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)

## DEPARTMENT OF FINE AND PERFORMING ARTS

5. An understanding of the practices, conventions, problems, and issues throughout the history of the western theatre and in contemporary times. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
6. The ability to create theatrical designs and to implement technical solutions for production. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
7. An understanding of and the ability to execute established approaches to acting and skills and duties necessary for the stage director. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
8. Productivity, diligence, exploration, and experimentation. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)
9. The ability to follow through on a rehearsal sequence or construction schedule and to bring a role or design to a successful public performance. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)

### **THEATRE MAJOR COURSES**

THEA 161 – Acting I.....	2
THEA 200, 300 - Production Workshop.....	4
THEA - 201, 301- Theatre Practicum.....	3
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.....	2
THEA 491 – Theatre Seminar .....	3
COMM 211 - Oral Interpretation .....	3
COMM 280 - Understanding Film and TV .....	3
Electives .....	3
Select from any COMM, DANC or THEA courses numbered above 200	
<b>TOTAL SEMESTER HOURS.....</b>	<b>40</b>

### **Minors**

#### **THEATRE EDUCATION MINOR ELEMENTARY OR SECONDARY EDUCATION**

THEA 161 – Acting I.....	2
THEA 200, 300 - Production Workshop.....	2
THEA - 201, 301- Theatre Practicum.....	1
THEA 261 - Acting II .....	3
THEA 270 - Stagecraft .....	3
THEA 350 - Theatre History .....	3
SEED 490L - Methods of Teaching Secondary Language Arts.....	3
Electives .....	7
Select from any THEA courses numbered above 200	
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

#### **THEATRE MINOR**

THEA 161 – Acting I.....	2
THEA 200, 300 - Production Workshop.....	2
THEA - 201, 301- Theatre Practicum.....	1
THEA 261 - Acting II .....	3
THEA 270 - Stagecraft .....	3
THEA 350 - Theatre History .....	3
COMM 211 - Oral Interpretation .....	3
Electives .....	7
Select from any THEA courses numbered above 200	
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>



## DEPARTMENT OF LANGUAGE AND LITERATURE



The Department of Language and Literature offers degree programs in English, Writing, Journalism, and Spanish. The Department also offers introductory courses in German, Philosophy and Religious Studies.

### **FACULTY**

Full-time Faculty: Church – Chair, Barnhart, Cartmill, Ford, Foster McBee, McWilliams, Renner, Schreindell, Solheim

### **DEPARTMENT**

The Department of Language and Literature offers courses that form a major cornerstone of a liberal arts education at Dickinson State University. The Department of Language and Literature offers general education and elective courses to achieve the following outcomes:

1. Enable students to write and think critically and imaginatively as citizens of a global community.
2. Develop in our students an awareness of and appreciation for the literary works produced in a global community.
3. Enhance our students' understanding of the languages and cultures that contribute to our multicultural society.

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 and German). In addition, the Department

of Language and Literature supports a variety of co-curricular and extra-curricular activities to enhance our students' course of study: student publications, a film festival, a literary speakers series, an English club, an undergraduate English conference, study abroad programs in Latin America, and the Eta Epsilon Chapter of Sigma Tau Delta (the international English honor society). Student Learning Outcomes and curriculum requirements for the Department of Language and Literature degree programs in English, Writing, Journalism, and Spanish 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 theatre.

Students completing writing degrees are strongly encouraged to use electives, minors, or additional majors to develop areas of expertise for future employment and professional development. Bachelor of Arts in Writing students should consider minors in foreign languages in order to communicate in an increasingly global society. Bachelor of Science in Writing students should consider minors in computer science or business administration. Graphic design is also an excellent supporting minor for either writing degree program.

# DEPARTMENT OF LANGUAGE AND LITERATURE

## MAJORS AND MINORS

### MAJORS

- Bachelor of Arts Degree
  - English
  - Spanish
  - Writing
- Bachelor of Science in Education Degree
  - English Education (Secondary Education)
  - Spanish Education (Secondary Education)
- Bachelor of Science Degree
  - Writing

### MINORS

- English
- English Education (Elementary or Secondary Education)
- Journalism (Non-teaching or Secondary)
- Spanish
- Spanish Education (Elementary or Secondary Education)
- Writing

Bachelor of Arts degrees require General Education (39 semester hours), freshman seminar (one semester hour), a major (32 semester hours minimum, 18 hours from DSU), a minor (21 semester hours minimum, 12 hours from DSU), a foreign language (16 semester hours), and electives (about 22 semester hours) to equal a minimum of 128 semester hours, 32 hours of which must consist of upper division (300-400) coursework.

Bachelor of Science in Education degrees require General Education (39 semester hours), freshman seminar (one semester hour), a major (32 semester hours minimum, 18 hours from DSU), a minor (24 semester hours minimum, 12 hours from DSU), and the Professional Secondary Education sequence (34 semester hours), to equal a minimum of 128 semester hours, 32 hours of which must consist of upper division (300-400) coursework.

## ENGLISH ENGLISH PROGRAM

### STUDENT LEARNING OUTCOMES

The English program and its major degrees are designed to correlate with the institutional learning outcomes:

1. Through the general education courses within the English program, students develop their abilities to read analytically, to speak and to write skillfully, and to respond logically and creatively to a variety of literary forms. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)
2. Through the sequence of advanced literature courses, students refine their communication skills and develop their understanding of the literary works of various world cultures, subcultures, and minority groups that form the fabric of this global community. (This learning outcome directly addresses Institutional Learning Outcomes I -V.)

3. Through the advanced writing courses, students engage their critical, creative and technical skills as writers to develop proficiency and aesthetic fulfillment. (This learning outcome directly addresses Institutional Learning Outcomes I -V.)
4. Through the electives and options in the program, students pursue their personal interests and skills in order to develop their potential as life-long learners. (This learning outcome directly addresses Institutional Learning Outcomes I -V.)

## Bachelor of Arts Degree English

### Degree Requirements:

- General Education Courses
- Major Courses
- Minor Courses
- Foreign Language Requirements
- Electives

### STUDENT LEARNING OUTCOMES

Students who attain the B.A. in English will:

1. Gain an overview of the British and American literature that is essential for sensitive, intelligent life-long learners.
2. Enhance their basic writing skills in the advanced writing courses that build on the freshman composition sequence.
3. Engage in the advanced study of American and British literature that builds on the material learned in the introductory surveys.
4. Complete a capstone senior project by conducting a critical research project or producing a creative work that reflects the learning and experiences acquired in the English program. The senior project allows students to work closely with a faculty mentor in designing this capstone experience.

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

ENGL 210 – College Composition III.....	3
ENGL 251 – British Literature I.....	3
ENGL 252 – British Literature II .....	3
ENGL 261 – American Literature I.....	3
ENGL 262 – American Literature II.....	3
ENGL 325 – Shakespeare.....	3
ENGL 480 – Senior Project.....	1
Select <b>one</b> of the following.....	3
ENGL 350 – Studies in American Literature ..3	
ENGL 355 – Major American Writers.....	3



## DEPARTMENT OF LANGUAGE AND LITERATURE

Select <b>two</b> of the following.....	6
ENGL 405 – British Medieval Literature .....	3
ENGL 415 – British Renaissance Literature ...	3
ENGL 420 – British Restoration and 18th Century Literature .....	3
ENGL 425 – British Romantic Literature .....	3
ENGL 430 – British Victorian Literature .....	3
ENGL 435 – Modern British Literature .....	3
Select <b>one</b> of the following.....	3
ENGL 211 – Introduction to Creative Writing .	3
ENGL 213 – Literary Publications .....	3
ENGL 305 – Writing About Literature.....	3
JOUR 201 – Interpretive and Opinion Writing	3
Any English course numbered above 200 .....	9
<b>TOTAL SEMESTER HOUR.....</b>	<b>40</b>

### Bachelor of Science in Education Degree English Education

<b>Degree Requirements:</b>
General Education Courses
Major Courses
Minor Courses
Professional Secondary Education

#### STUDENT LEARNING OUTCOMES

Students who attain the B.S. in English Education will:

1. Gain an understanding of the British and American literature that is essential for sensitive, intelligent life-long learners.
2. Enhance their basic writing skills in the advanced writing courses that build on the freshman composition sequence.
3. Engage in the advanced study of American and British literature.
4. Gain an understanding of the history, development, and grammatical structure and conventions of English.
5. Acquire understanding of adolescent literature typically included in high school curricula.
6. Complete a study of English methods and pedagogy including the use of instructional technologies prior to completing the professional semester of pre-service teaching.
7. Complete a capstone senior project by conducting a critical research project or producing a creative work that reflects the learning and experiences acquired in the English program. The senior project allows students to work closely with a faculty mentor in designing this capstone experience.

Upon completion of the program, students are able to enter the classroom as proficient teachers of English literature and language or to consider post-baccalaureate education for advanced degrees.

#### ENGLISH EDUCATION MAJOR COURSES SECONDARY EDUCATION

ENGL 210 – College Composition III.....	3
ENGL 251 – British Literature I.....	3
ENGL 252 – British Literature II .....	3
ENGL 261 – American Literature I.....	3
ENGL 262 – American Literature II.....	3
ENGL 315 – Structure and History of English.....	3
ENGL 320 – Modern Grammar.....	3
ENGL 325 – Shakespeare.....	3
ENGL 382 – Adolescent Literature .....	3
ENGL 480 – Senior Project.....	1
SEED 490L – Teaching Methods in Secondary Language Arts.....	3
Select <b>one</b> of the following.....	3
ENGL 350 – Studies in American Literature ..	3
ENGL 355 – Major American Writers.....	3
Select <b>two</b> of the following .....	6
ENGL 405 – British Medieval Literature.....	3
ENGL 415 – British Renaissance Literature ...	3
ENGL 420 – British Restoration and 18th Century Literature .....	3
ENGL 425 – British Romantic Literature .....	3
ENGL 430 – British Victorian Literature .....	3
ENGL 435 – Modern British Literature .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>40</b>

#### Minors

##### ENGLISH MINOR

ENGL 251 - British Literature I .....	3
ENGL 252 - British Literature II.....	3
ENGL 261 - American Literature I.....	3
ENGL 262 - American Literature II .....	3
ENGL 325 - Shakespeare .....	3
Any English course numbered above 200 .....	9
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

##### ENGLISH EDUCATION MINOR SECONDARY EDUCATION

ENGL 251 - British Literature I .....	3
ENGL 252 - British Literature II.....	3
ENGL 261 - American Literature I.....	3
ENGL 262 - American Literature II .....	3
ENGL 325 - Shakespeare .....	3
ENGL 382 - Adolescent Literature.....	3
SEED 490L - Teaching Methods in Secondary Language Arts.....	3
Select <b>one</b> of the following.....	3
ENGL 315 - Structure and History of English	3
ENGL 320 - Modern Grammar .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

# DEPARTMENT OF LANGUAGE AND LITERATURE

## ENGLISH EDUCATION MINOR

### ELEMENTARY EDUCATION

ENGL 251 - British Literature I .....	3
ENGL 252 - British Literature II .....	3
ENGL 261 - American Literature I .....	3
ENGL 262 - American Literature II .....	3
Select <b>one</b> of the following.....	3
ENGL 315 - Structure and History of English 3	
ENGL 320 - Modern Grammar .....	3
Select <b>one</b> of the following.....	3
ENGL 232 - Mythology.....	3
ENGL 241 - World Literature I .....	3
ENGL 242 - World Literature II .....	3
Select <b>one</b> of the following.....	3
ENGL 210 - College Composition III .....	3
ENGL 211 - Introduction to Creative Writing.3	
ENGL 305 - Writing about Literature .....	3
Select one of the following.....	3
Any English course numbered above 200 .....	3
JOUR 201 - Interpretive and Opinion Writing .3	
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

## WRITING

### BACHELOR OF ARTS AND BACHELOR OF SCIENCE IN WRITING

Students can develop careers as writers of various modes of expression: expository and informative writing, creative writing, technical writing, analytical and persuasive writing, and journalistic and personal writing. Students completing majors in Writing can seek work as legal assistants, business managers, news reporters, speechwriters, editors, advertising copywriters, translators, grant writers, and research and report writers. These students may also seek advanced degrees in creative writing, mass communications, law, and related fields.

## Bachelor of Arts Degree Writing

- Degree Requirements:**
- General Education Courses
  - Major Courses
  - Minor Courses
  - Foreign Language Requirements
  - Electives

### STUDENT LEARNING OUTCOMES

Students who attain either the B.A. or B.S. in Writing will:

1. Build upon the writing and critical thinking skills learned in the college composition sequence by developing further experience in technical writing, creative and critical literary writing, and journalistic writing (This learning outcome directly addresses Institutional Learning Outcome I.)
2. Receive background in desktop publishing and are encouraged to pursue electives in foreign languages and advanced English and journalism courses (This

learning outcome directly addresses Institutional Learning Outcomes II, III, and V.)

3. Demonstrate through the senior project, their capstone experience, a proficiency in conducting critical research or producing creative work that reflects their fulfillment of the outcomes of the program (This learning outcome directly addresses Institutional Learning Outcomes IV and V.)

### WRITING MAJOR COURSES

ENGL 210 - College Composition III .....	3
ENGL 211 - Introduction to Creative Writing.....	3
ENGL 220 - Introduction to Literature.....	3
ENGL 300 - Technical Writing.....	3
ENGL 305 - Writing About Literature.....	3
ENGL 310 - Advanced Creative Writing.....	3
ENGL 480 - Senior Project.....	1
BOTE 218 - Desktop Publishing.....	3
JOUR 201 - Interpretive and Opinion Writing .....	3
GDES 241 - Graphic Design I .....	3
Select <b>one</b> of following .....	3
JOUR 301 - Managing and Editing Publications . 3	
ENGL 213 - Literary Publications.....	3
Select from the following electives .....	9
Any English course numbered above 200;	
Any Journalism course;	
GDES 342 - Graphic Design II .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>40</b>

## Bachelor of Science Degree Writing

- Degree Requirements:**
- Major Courses
  - Minor Courses
  - Electives

### STUDENT LEARNING OUTCOMES

Students who attain either the B.A. or B.S. in Writing will:

1. Build upon the writing and critical thinking skills learned in the college composition sequence by developing further experience in technical writing, creative and critical literary writing, and journalistic writing (This learning outcome directly addresses Institutional Learning Outcome I.)
2. Receive background in desktop publishing and are encouraged to pursue electives in foreign languages and advanced English and journalism courses (This learning outcome directly addresses Institutional Learning Outcomes II, III, and V.)
3. Demonstrate through the senior project, their capstone experience, a proficiency in conducting critical research or producing creative work that reflects their fulfillment of the outcomes of the program (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)

## DEPARTMENT OF LANGUAGE AND LITERATURE

### WRITING MAJOR COURSES

ENGL 210 - College Composition III .....	3
ENGL 211 - Introduction to Creative Writing.....	3
ENGL 220 - Introduction to Literature.....	3
ENGL 300 - Technical Writing.....	3
ENGL 305 - Writing About Literature.....	3
ENGL 310 - Advanced Creative Writing.....	3
ENGL 480 - Senior Project.....	1
GDES 241 - Graphic Design I.....	3
JOUR 201 - Interpretive and Opinion Writing .....	3
BOTE 218 - Desktop Publishing.....	3
Select <b>one</b> of the following .....	3
ENGL 213 - Literary Publications.....	3
JOUR 301 - Managing and Editing Publications .	3
Select from the following electives .....	9
Any English course numbered above 200;	
Any Journalism courses; or	
GDES 342 - Graphic Design II .....	3
ART 385 - Digital Photography.....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>40</b>

### Minors

#### WRITING MINOR

ENGL 210 – College Composition III.....	3
ENGL 211 – Introduction to Creative Writing .....	3
ENGL 300 – Technical Writing.....	3
JOUR 201 – Interpretive and Opinion Writing .....	3
BOTE 218 – Desktop Publishing .....	3
GDES 241 – Graphic Design I.....	3
Select <b>two</b> from the following.....	6
ENGL 213 - Literary Publications.....	3
ENGL 310 - Advanced Creative Writing.....	3
ENGL 305 - Writing About Literature.....	3
JOUR 301 - Managing and Editing Publications .	3
GDES 342 - Graphic Design II .....	3
ART 280 - Photography I .....	3
ART 380 - Photography II.....	3
ART 385 - Digital Photography.....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

#### JOURNALISM

##### STUDENT LEARNING OUTCOMES

The Journalism program provides students with practical experience in preparing publications distributed to the campus community. The outcomes within the program correspond to the institutional learning outcomes:

1. The sequence of courses for the journalism minor trains students in both the theory and the basic skills needed for preparing publications from writing and photography to computer-assisted layout and Web-based production of publications. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)

2. In preparation for teaching careers, students learn management and supervision of school publications (This learning outcome directly addresses Institutional Learning Outcome I, II, IV and V.)

Students who complete the minor program are able to pursue careers in high school as advisors for student publications or as professional writers in a range of print and non-print media.

#### JOURNALISM MINOR

##### SECONDARY EDUCATION OR NON-TEACHING

JOUR 201 - Interpretive and Opinion Writing .....	3
Select <b>one</b> of the following.....	3
JOUR 301 - Editing and Managing Publications ..	3
ENGL 213 - Literary Publications.....	3
ART 280 - Photography I .....	3
BOTE 218 - Desktop Publishing.....	3
COMM 280 - Understanding Film and Television.....	3
ENGL 210 - College Composition III .....	3
ENGL 300 - Technical Writing.....	3
Select <b>three credits</b> from the following.....	3
ENGL 305 - Writing About Literature.....	3
GDES 342 - Graphic Design II	
(must have had GDES 241 as pre-requisite) .....	3
ART 380 - Photography II.....	3
ART 385 – Digital Photography .....	3
JOUR 299 - Special Topics .....	1-3
JOUR 494 - Independent Study .....	1-3
JOUR 499 - Special Topics .....	1-3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

#### MODERN LANGUAGE

The Spanish program is designed to provide a strong program of basic and advanced Spanish language study which enhances our students' understanding of a language and a culture that contribute to the global fabric of our society.

Bachelor of Arts graduates may seek work in translation, in international business and travel, or in the diplomatic service, as well as further study in graduate programs.

Students who have completed two years of foreign language study in high school may begin their college studies with the first semester of the second year course. Students who receive a grade of B or higher in that course may receive up to eight semester hours of credit in foreign language upon payment of a recording fee for those hours. Students with extensive background in a foreign language (three or four years of high school study or extended experience or study in a foreign country) may begin their college language studies at the second semester of the second year and receive credit for previous courses upon completion of the course with a grade of B or higher and upon payment of a recording fee for the credit hours deserved.

# DEPARTMENT OF LANGUAGE AND LITERATURE

## 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. Develop competence in the four basic language skills: listening, speaking, reading, and writing. These skills will enhance their critical writing and thinking skills. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)
2. Acquire a thorough experience of the cultural elements related to the historical and contemporary development of the language. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)
3. Through use of the Language Lab, students gain access to computerized and audio ancillary material in order to supplement the class experiences. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)
4. Undertake a capstone project, and independent study or special topics course designed with the instructor. This senior course asks the student to conduct senior-level research in the program as a means of measuring the students' completion of the program. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)

### 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 499 - Special Topic .....	3
Select <b>one</b> of the following.....	2
SPAN 296, 496 - Study Tours.....	2
SPAN 295, 495 - Service Learning.....	2
SPAN 297, 497 Spanish Internship, etc.....	2
SPAN 494 - Independent Study.....	2
<b>TOTAL SEMESTER HOURS.....</b>	<b>32</b>

## Bachelor of Science in Education Degree Spanish Education

### Degree Requirements:

General Education Courses  
Major Courses  
Minor Courses  
Professional Secondary Education

### STUDENT LEARNING OUTCOMES

The outcomes of the program correspond to the institutional learning outcomes:

1. Gain the skills necessary to understand the spoken language, to demonstrate an oral proficiency that can be understood by native speakers, acquire a reading comprehension in the language, and demonstrate a writing proficiency in the language. (This learning outcome directly addresses Institutional Learning Outcomes I -V.)
2. Develop their analytical skills in the language (its syntax and linguistic qualities) in order to distinguish it from English. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)
3. Acquire an exposure to the Spanish cultural, historical, and literary heritage. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)
4. Be able to use current pedagogical and methodological theories and practices in language education and language laboratory programs to organize, implement, and assess a comprehensive instructional program in Spanish Education that encourages the interweaving of technology and language instruction. (This learning outcome directly addresses Institutional Learning Outcomes I - V.)

### SPANISH EDUCATION MAJOR COURSES SECONDARY EDUCATION

SPAN 101 - First Year Spanish.....	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
SEED 490H - Laboratory and Teaching Techniques of Spanish .....	2
SPAN 425 - Hispanic Literature .....	3
SPAN 440 - Senior Conversation and Composition.....	3
SPAN 499 - Special Topics.....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>32</b>



## DEPARTMENT OF LANGUAGE AND LITERATURE

### Minors

#### SPANISH MINOR

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 <b>one</b> of the following .....	3
SPAN 499 - Special Topics .....	3
SPAN 425 - Hispanic Literature .....	3
SPAN 440 - Senior Conversation and Composition .....	3
<b>TOTAL SEMESTER HOUR.....</b>	<b>24</b>

#### SPANISH EDUCATION MINOR

#### ELEMENTARY OR SECONDARY EDUCATION

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
SEED 490H - Laboratory and Teaching Techniques of Spanish .....	2
<b>TOTAL SEMESTER HOURS.....</b>	<b>23</b>



## DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE



### **FACULTY**

Full-time Faculty: P. Johanson – Chair, Alonso, Berg, Derk, Egli, Harris, Ibriq, Olsen, Roshau

### **MAJORS AND MINORS**

#### **MAJORS**

- Bachelor of Science in Education in Mathematics  
(Secondary Education)
- Bachelor of Science in Mathematics
- Bachelor of Arts in Mathematics
- Bachelor of Science in Computer Science
- Bachelor of Science in Computer Technology  
Management
- Bachelor of Arts in Computer Science

#### **MINORS**

- Mathematics
- Mathematics (Elementary Education)
- Mathematics (Secondary Education)
- Computer Science (Traditional)
- Computer Science (Elementary Education)
- Computer Science (Secondary Education)
- Computer Science (Internet Applications)
- Computer Science (Information Technology)

# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

## Bachelor of Science in Education Degree Mathematics Education

- Degree Requirements:**
- General Education Courses**
  - Major Courses**
  - Minor Courses**
  - Professional Secondary Education**

### STUDENT LEARNING OUTCOMES

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

1. Analyze a problem, model the problem mathematically, solve the problem, and interpret the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Apply reflective decision-making. (This learning outcome directly addresses Institutional Learning Outcome I.)
3. Work competently in several areas of mathematics including geometry, analysis, algebra, calculus, and statistics. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
4. Demonstrate an understanding of the history and philosophy of mathematics. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and V.)
5. Demonstrate an initial level of knowledge and skills in computer programming. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
6. Evaluate and select appropriate teaching materials. (This learning outcome directly addresses Institutional Learning Outcomes II and V.)
7. Use technology in the classroom. (This learning outcome directly addresses Institutional Learning Outcome II.)
8. Organize, implement, and assess a comprehensive instructional program in mathematics education at the secondary level using effective planning and teaching methods. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)

### MATHEMATICS EDUCATION MAJOR COURSES SECONDARY EDUCATION

MATH 127 - Matrix Fundamentals .....	2
MATH 165 - Calculus I .....	4
MATH 166 - Calculus II .....	4
MATH 208 - Discrete Mathematics .....	3
MATH 265 - Calculus III .....	4
MATH 305 - Probability and Statistics .....	4
MATH 326 - Abstract Algebra .....	4
MATH 327 - Linear Algebra .....	4
MATH 338 - Geometry for Teachers .....	2

MATH 339 - Topics in Geometry .....	2
MATH 411 - Introduction to Real Analysis .....	4
MATH 425 - Mathematical Statistics .....	3
MATH 491 - Mathematics Seminar .....	1
Required in other areas:	
CSCI 120 – Introduction to Computer Programming .....	4
SEED 390X – Teaching Secondary School Mathematics .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>48</b>

## Bachelor of Science Degree Mathematics

- Degree Requirements:**
- General Education Courses**
  - Major Courses**
  - Minor Courses**
  - Electives**

### STUDENT LEARNING OUTCOMES

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

1. Analyze a problem, model the problem mathematically, solve the problem, and interpret the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Apply reflective decision-making. (This learning outcome directly addresses Institutional Learning Outcome I.)
3. Use technology in the problem-solving process. (This learning outcome directly addresses Institutional Learning Outcome II.)
4. Work competently in several areas of mathematics including geometry, analysis and algebra. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)

### MATHEMATICS MAJOR COURSES

MATH 127 - Matrix Fundamentals .....	2
MATH 165 - Calculus I .....	4
MATH 166 - Calculus II .....	4
MATH 208 - Discrete Mathematics .....	3
MATH 265 - Calculus III .....	4
MATH 266 - Introduction to Differential Equations .....	4
MATH 326 - Abstract Algebra .....	4
MATH 327 - Linear Algebra .....	4
MATH 339 - Topics in Geometry .....	2
MATH 411 - Introduction to Real Analysis .....	4
MATH 425 - Mathematical Statistics .....	3
MATH 491 - Mathematics Seminar .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>39</b>

# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

## Bachelor of Arts Degree Mathematics

### Degree Requirements:

- General Education Courses
- Major Courses
- Minor Courses
- Foreign Language Requirement
- Electives

### STUDENT LEARNING OUTCOMES

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

1. Analyze a problem, model the problem mathematically, solve the problem, and interpret the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Apply reflective decision-making. (This learning outcome directly addresses Institutional Learning Outcome I.)
3. Use technology in the problem-solving process. (This learning outcome directly addresses Institutional Learning Outcome II.)
4. Work competently in several areas of mathematics including geometry, analysis and algebra. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
5. Better understand cultural diversity through foreign language study. (This learning outcome directly addresses Institutional Learning Outcomes II, II, and IV.)

### MATHEMATICS MAJOR COURSES

MATH 127 - Matrix Fundamentals .....	2
MATH 165 - Calculus I .....	4
MATH 166 - Calculus II .....	4
MATH 208 - Discrete Mathematics .....	3
MATH 265 - Calculus III .....	4
MATH 266 - Introduction to Differential Equations .....	4
MATH 326 - Abstract Algebra .....	4
MATH 327 - Linear Algebra .....	4
MATH 339 - Topics in Geometry .....	2
MATH 411 - Introduction to Real Analysis .....	4
MATH 425 - Mathematical Statistics .....	3
MATH 491 - Mathematics Seminar .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>39</b>

### Minors

### MATHEMATICS MINOR

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 .....	3
Electives - (Mathematics courses numbered above MATH 208 except MATH 277 – Mathematics for Elementary Teachers) .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>25</b>

### MATHEMATICS EDUCATION MINOR

#### Elementary Education

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
Electives - (Mathematics courses numbered above MATH 208 except MATH 277 – Mathematics for Elementary Teachers) .....	2
<b>TOTAL SEMESTER HOURS.....</b>	<b>25</b>

### MATHEMATICS EDUCATION MINOR

#### Secondary Education

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
SEED 390X - Teaching Secondary School Mathematics .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>26</b>

## Bachelor of Science Degree Computer Science

### Degree Requirements:

- General Education Courses
- Major Courses
- Electives

### STUDENT LEARNING OUTCOMES

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

1. Analyze a problem, determine if it could feasibly be solved with a computerized solution, design a solution and implement the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Find information needed to solve a computerized problem. (This learning outcome directly addresses Institutional Learning Outcomes I and II.)
3. Learn new programming languages with a minimum amount of assistance. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)

## DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

4. Adapt to new computer technology with a minimum amount of assistance. (This learning outcome directly addresses Institutional Learning Outcomes I and II.)
5. Program in several programming languages. (This learning outcome directly addresses Institutional Learning Outcomes II and V.)

### COMPUTER SCIENCE MAJOR COURSES

CSCI 160 - Computer Science I .....	4
CSCI 161 - Computer Science II .....	4
CSCI 174 - Intermediate Computer Programming in C++ .....	4
CSCI 300 - Programming Languages .....	3
CSCI 301 - Software Engineering .....	3
CSCI 310 - Advanced Programming in Java .....	4
CSCI 342 - Object Programming with Data Structures .....	4
CSCI 350 - Assembly Language .....	3
CSCI 360 - Database Management .....	4
CSCI 370 - Computer Organization .....	3
CSCI 385 - Theory of Computation .....	3
CSCI 401 - Objected Oriented Analysis and Design .....	4
CSCI 420 - Design and Analysis of Algorithms .....	4
CSCI 430 - Operating Systems .....	4
CSCI 486 - Social Implications of Computing .....	3
CSCI 489 - Computer Science Capstone Course .....	2
CSCI 491 - Computer Science Seminar .....	1
MATH 165 - Calculus I .....	4
MATH 166 - Calculus II .....	4
MATH 208 - Discrete Mathematics .....	3
MATH 425 - Mathematical Statistics .....	3

**TOTAL SEMESTER HOURS..... 71**

### Bachelor of Science Degree Computer Technology Management

#### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Minor Courses

#### Electives

### 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 I, II and V.)
2. Find information needed to solve a computerized problem. This will require an understanding of how computer hardware and software function as well as knowledge of searching strategies and mechanisms. (This learning outcome directly addresses Institutional Learning Outcomes I and II.)

3. Analyze a problem, determine if it could feasibly be solved with current resources, design a solution and implement the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Adapt to new computer technology with a minimum amount of assistance. (This learning outcome directly addresses Institutional Learning Outcomes I and II.)
5. 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 Outcome II.)

### COMPUTER TECHNOLOGY MANAGEMENT COURSES

CSCI 160 - Computer Science I .....	4
CSCI 161 - Computer Science II .....	4
CSCI 181 - Web Management .....	3
CSCI 185 - Linux Operating System .....	3
CSCI 200 - Database Software Applications .....	3
CSCI 210 - PC Hardware and Software Management .....	3
CSCI 221 - Computer Networks .....	3
CSCI 360 - Database Management .....	4
CSCI 486 - Social Implications of Computing .....	3
CSCI 491 - Computer Science Seminar .....	1
BOTE 218 - Desktop Publishing .....	3
BADM 336 - Management and Leadership .....	3
BADM 356 - Organizational Behavior .....	3
BADM 364 - Electronic Commerce .....	3
BADM 388 - Management Information Systems .....	3
GDES 241 - Graphic Design I .....	3
IT 220 - Drawing and Specification Techniques I .....	3
MATH 208 - Discrete Mathematics .....	3

**TOTAL SEMESTER HOURS..... 55**

Students majoring in Computer Technology Management must complete a minor or have a second major; however, the Management Information Systems minor and Computer Science minors are not suitable minors for this major.



# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

## Bachelor of Arts Degree Computer Science

### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Minor Courses

#### Foreign Language Requirement

#### Electives

### STUDENT LEARNING OUTCOMES

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

1. Analyze a problem, determine if it could feasibly be solved with a computerized solution, design a solution and implement the solution. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Find information needed to solve a computerized problem. (This learning outcome directly addresses Institutional Learning Outcomes I and II.)
3. Learn new programming languages with a minimum amount of assistance. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
4. Adapt to new computer technology with a minimum amount of assistance. (This learning outcome directly addresses Institutional Learning Outcomes I and II.)
5. Program in several programming languages. (This learning outcome directly addresses Institutional Learning Outcomes II and V.)
6. Better understand cultural diversity through foreign language study. (This learning outcome directly addresses Institutional Learning Outcomes II, III, and IV.)

### COMPUTER SCIENCE MAJOR COURSES

CSCI 160 - Computer Science I.....	4
CSCI 161 - Computer Science II.....	4
CSCI 174 - Intermediate Computer Programming in C++ ....	4
CSCI 300 - Programming Languages.....	3
CSCI 301 - Software Engineering.....	3
CSCI 310 - Advanced Programming in Java.....	4
CSCI 342 - Object Programming with Data Structures .....	4
CSCI 350 - Assembly Language .....	3
CSCI 360 - Database Management .....	4
CSCI 370 - Computer Organization .....	3
CSCI 385 - Theory of Computation .....	3
CSCI 401 - Object Oriented Analysis and Design.....	4
CSCI 420 - Design and Analysis of Algorithms.....	4
CSCI 430 - Operating Systems.....	4
CSCI 486 - Social Implications of Computing.....	3
CSCI 489 - Computer Science Capstone Course .....	2
CSCI 491 - Computer Science Seminar .....	1
MATH 165 - Calculus I.....	4
MATH 166 - Calculus II.....	4

MATH 208 – Discrete Mathematics.....	3
MATH 425 – Mathematical Statistics .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>71</b>

### Minors

#### COMPUTER SCIENCE MINOR

##### TRADITIONAL

Unacceptable minor for any of the computer science majors.

CSCI 160 - Computer Science I.....	4
CSCI 161 - Computer Science II.....	4
CSCI 174 - Intermediate Computer 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 .....	1
MATH 208 - Discrete Mathematics .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>26</b>

#### COMPUTER SCIENCE EDUCATION MINOR

##### ELEMENTARY EDUCATION

Unacceptable minor for any of the computer science majors.

CSCI 120 - Introduction to Computer Programming.....	4
CSCI 160 - Computer Science I.....	4
CSCI 210 - PC Hardware & Software Management.....	3
CSCI 221 - Computer Networks .....	3
CSCI 491 - Computer Science Seminar .....	1
BOTE 218 - Desktop Publishing.....	3
BOTE 247 - Spreadsheet Applications.....	3
SEED 490C - Computer Science Education Methods .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

#### COMPUTER SCIENCE EDUCATION MINOR

##### SECONDARY EDUCATION

Unacceptable minor for any of the computer science majors.

CSCI 120 - Introduction to Computer Programming.....	4
CSCI 160 - Computer Science I.....	4
CSCI 161 - Computer Science II.....	4
CSCI 181 - Web Management.....	3
CSCI 210 - PC Hardware & Software Management.....	3
CSCI 221 - Computer Networks .....	3
CSCI 491 - Computer Science Seminar .....	1
SEED 490C - Computer Science Education Methods .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>25</b>

#### COMPUTER SCIENCE MINOR

##### INFORMATION TECHNOLOGY

Unacceptable minor for any of the computer science majors.

CSCI 160 - Computer Science I.....	4
CSCI 161 - Computer Science II.....	4
CSCI 185 - Linux Operating Systems .....	3
CSCI 200 - Database Software Applications.....	3
CSCI 221 - Computer Networks .....	3
CSCI 486 - Social Implications of Computing.....	3
CSCI 491 - Computer Science Seminar .....	1
BADM 388 - Management Information Systems .....	3
MATH 208 - Discrete Mathematics .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>27</b>

# **DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE**

## **COMPUTER SCIENCE MINOR**

### **INTERNET APPLICATIONS**

Unacceptable minor for any of the computer science majors.

CSCI 160 – Computer Science I .....	4
CSCI 161 – Computer Science II .....	4
CSCI 174 – Intermediate Programming in C++ .....	4
CSCI 181 – Web Management .....	3
CSCI 185 – Linux Operating Systems .....	3
CSCI 310 – Advanced Computer Programming in Java .....	4
BADM 364 – Electronic Commerce .....	3
MATH 208 – Discrete Mathematics .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>28</b>

## **COLLABORATIVE PRE-ENGINEERING PROGRAM**

### **Pre-Engineering Degree Programs**

The collaborative Pre-Engineering Program with North Dakota State University offers the opportunity for students to study the following four engineering programs by starting at DSU.

#### **Electrical Engineering**

Electrical engineers work in one of the biggest engineering fields, which includes all power systems, circuitry, microprocessors, computer chips, digital broadcasting and telephone switching systems.

#### **Industrial Engineering**

Industrial Engineers create assembly line systems to help with manufacturing processes. They utilize energy, people, machines and information to help organize the manufacturing of a specific product. Industrial engineers must solve organizational problems and create an efficient production process.

#### **Manufacturing Engineering**

Manufacturing engineers apply scientific principles to the production of goods. They are key team members in the production of a wide range of products – automobiles, airplanes, electronics, surgical instruments, foodstuffs, recreational equipment, etc. Manufacturing engineers design the processes and systems to make products available when and where customers prefer, at the best possible price and in ways that are environmentally friendly.

#### **Computer Engineering**

Computer engineers, also called Web, IT, or software engineers, create programs for use on computer platforms or on the internet. They develop and design communication systems, maintain network stability and implement new user interfaces.

### **Program Description**

Through the Collaborative Pre-Engineering Program, you will take your first two years of courses at DSU. This will prepare you for transfer to NDSU where you can complete the NDSU Bachelor of Science degree requirements in either computer, electrical, industrial or manufacturing engineering. After successful completion of four semesters of undergraduate work at DSU, you will be accepted for transfer to NDSU if you have earned a transfer cumulative Grade Point Average (GPA) of:

- 2.3 for Electrical Engineering, or
- 2.0 for Computer Engineering, Industrial Engineering

For Manufacturing Engineering, you must also have earned the equivalent grade of C or better for each course to be awarded for transfer credit.

Note: In most cases, students transferring in the fall semester should be able to complete NDSU's baccalaureate program within four semesters after arriving at NDSU. If NDSU believes that it is in the student's best academic interest to deliver the course work over a longer period of time, the course work may be extended for an appropriate length of time.

### **Admission Requirements**

You will need to declare your intent to participate in the Collaborative Engineering Program when you enroll at DSU. At the same time, you will be required to apply for full admission to NDSU. Therefore, you should apply to both DSU and NDSU at the same time, and you must pay both schools' admission fees. Admission to the NDSU engineering program is separate from admission to either university and will be determined by the appropriate NDSU engineering department. Admission to the NDSU Engineering Program must be approved before transfer to NDSU.

### **Internships**

In addition to classroom learning, the Collaborative Engineering Program provides hands-on learning through summer internships with local companies. Internship opportunities will be arranged through the NDSU College of Engineering and the departments of the engineering major and facilitated by the DSU Mathematics department.

# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

## **Bachelor of Science Degree Computer Engineering**

### **1<sup>st</sup> YEAR**

ENGL 110 – College Composition.....	3
ASC 100 – Freshman Seminar .....	1
MATH 165 – Calculus I .....	4
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
ENGR 111A – Introduction to Electrical and Computer Engineering.....	3
ENGR 275 – Digital Systems I .....	3
ENGL 120 – College Composition II.....	3
CSCI 160 – Computer Science I .....	4
MATH 127 – Matrix Fundamentals .....	2
MATH 166 – Calculus II.....	4
ENGR 221 – Engineering Mechanics I.....	3
<b>Total Credits.....</b>	<b>35</b>

### **2<sup>nd</sup> YEAR**

MATH 265 – Calculus III.....	4
MATH 208 – Discrete Mathematics.....	3
PHYS 252 – University Physics II .....	4
PHYS 252L – University Physics II Lab.....	1
ENGR 207 – Circuit Analysis I.....	4
ENGR 222 – Engineering Mechanics II.....	3
COMM 110 – Public Speaking.....	3
CSCI 161 – Computer Science II .....	4
MATH 266 – Introduction to Differential Equations .....	3
ENGR 307 – Circuit Analysis II.....	4
General Education Elective .....	3
<b>Total Credits.....</b>	<b>36</b>

## **Bachelor of Science Degree Industrial Engineering**

### **1<sup>st</sup> YEAR**

ENGL 110 – College Composition I .....	3
ASC 100 – Freshman Seminar .....	1
MATH 165 – Calculus I .....	4
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CSCI 160 – Computer Science I .....	4
ENGL 120 – College Composition II.....	3
MATH 166 – Calculus II.....	4
ENGR 111B – Introduction to Industrial and Manufacturing Engineering.....	3
IT 220 – Drawing & Specification Techniques I.....	3
ENGR 221 – Engineering Mechanics I.....	3
<b>Total Credits.....</b>	<b>33</b>

### **2<sup>nd</sup> YEAR**

COMM 110 – Public Speaking.....	3
MATH 265 – Calculus III.....	4
ENGR 222 – Engineering Mechanics II.....	3
ENGR 223 – Mechanics of Materials .....	3
ENGR 207 – Circuit Analysis I.....	4
HPER 100 – Fitness & Wellnes.....	2
MATH 127 – Matrix Fundamentals .....	2
MATH 266 – Introduction to Differential Equations .....	3
ENGR 311 – Work/Station Design & Measurement.....	3
ENGR 440 – Engineering Economy .....	3
IT 320 – Drawing & Specification Techniques II.....	3
Humanities or Fine Arts Elective .....	3
<b>Total Credits.....</b>	<b>36</b>

## **Bachelor of Science Degree Electrical Engineering**

### **1<sup>st</sup> YEAR**

ENGL 110 – College Composition I .....	3
ASC 100 – Freshman Seminar .....	1
MATH 165 – Calculus I .....	4
CHEM 121 – General Chemistry I.....	4
CHEM 121L - General Chemistry I Lab .....	1
ENGR 111A – Introduction to Electrical and Computer Engineering.....	3
ENGR 275 – Digital Systems I .....	3
ENGL 120 - College Composition II.....	3
MATH 166 – Calculus II .....	4
MATH 127 – Matrix Fundamentals .....	2
ENGR 221 – Engineering Mechanics I.....	3
Humanities or Social Science Elective.....	3
<b>Total Credits.....</b>	<b>34</b>

### **2<sup>nd</sup> YEAR**

MATH 265 – Calculus III.....	4
PHYS 252 – University Physics I .....	4
PHYS 252L – University Physics II Lab.....	1
ENGR 207 – Circuit Analysis I.....	4
ENGR 222 – Engineering Mechanics II.....	3
COMM 110 – Public Speaking.....	3
MATH 266 – Introduction to Differential Equations .....	3
ENGR 307 – Circuit Analysis II.....	4
HPER 100 – Fitness & Wellness .....	2
Social Science Elective.....	3
<b>Total Credits.....</b>	<b>31</b>



# DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

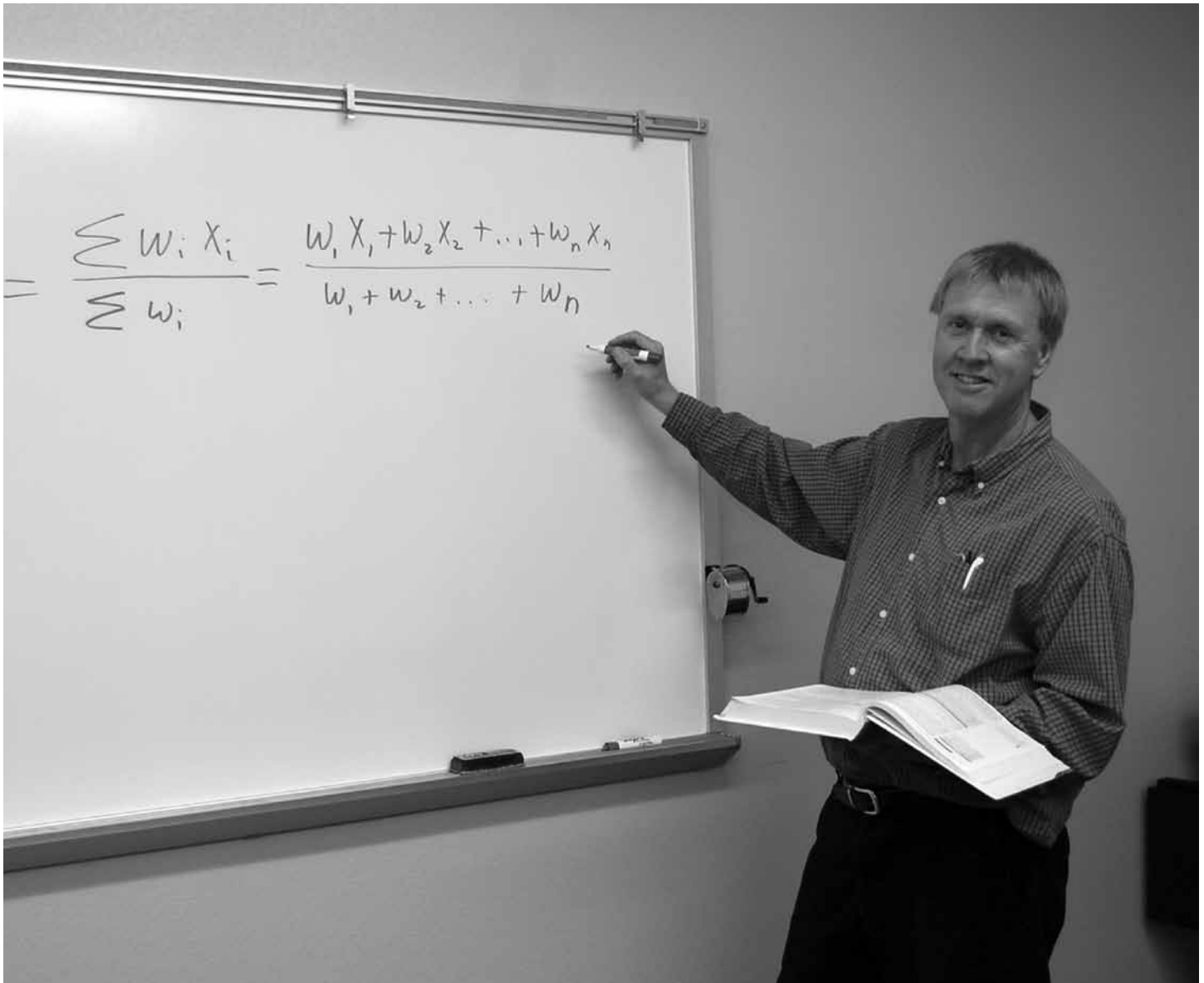
## Bachelor of Science Degree Manufacturing Engineering

### 1<sup>st</sup> YEAR

ENGL 110 – College Composition I .....	3
ASC 100 – Freshman Seminar .....	1
CSCI 160 – Computer Science I .....	4
MATH 165 – Calculus I .....	4
CHEM 121 – General Chemistry I.....	4
CHEM 121L - General Chemistry I Lab.....	1
COMM 110 – Public Speaking.....	3
ENGL 120 - College Composition II.....	3
MATH 166 – Calculus II .....	4
ENGR 111B – Introduction to Industrial and Manufacturing Engineering.....	3
IT 220 – Drawing & Specification Techniques I.....	3
ENGR 221 – Engineering Mechanics I.....	3
<b>Total Credits.....</b>	<b>36</b>

### 2<sup>nd</sup> YEAR

IT 320 – Drawing & Specification Techniques II.....	3
MATH 265 – Calculus III.....	4
ENGR 207 – Circuit Analysis I.....	4
ENGR 222 – Engineering Mechanics II.....	3
ENGR 223 – Mechanics of Materials .....	3
HPER 100 – Fitness & Wellness .....	2
MATH 266 – Introduction to Differential Equations .....	3
MATH 127 – Matrix Fundamentals .....	2
CHEM 122 – General Chemistry II.....	4
CHEM 122L - General Chemistry II Lab.....	1
ENGR 311 – Work/Station Design & Measurement.....	3
ENGR 440 – Engineering Economy .....	3
<b>Total Credits.....</b>	<b>35</b>



## DEPARTMENT OF MUSIC



### **FACULTY**

Full-time Faculty: Justus – Chair, Burns, Compton, Nozny, Southard, McKirdy

### **MUSIC**

The Dickinson State University Department 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.

### **MISSION**

The Dickinson State University music program develops musical excellence in individuals enabling them to pursue careers and experiences in music education and performance. The program's curriculum offers all students, whether music majors or non-majors, the opportunity for further study of music for the attainment of a complete undergraduate music experience. Performance activities offered by the music program contribute to the aesthetic development of the students and the community.

### **MAJORS AND MINORS**

#### **MAJORS**

- Bachelor of Science in Education in Composite Music Education (K-12)
- Bachelor of Science in Education in Instrumental Music Education (K-12)
- Bachelor of Science in Education in Choral Music Education (K-12)
- Bachelor of Arts

#### **MINORS**

- Instrumental Music Education (Elementary Education)
- Instrumental Music Education (Secondary Education)
- Choral Music Education (Secondary Education)
- Choral Music Education (Elementary Education)
- Music

Bachelor of Science degrees require General Education, the major, a minor, Professional Education and electives to equal a minimum of 128 semester hours. Note: Bachelor of Science degrees in Composite, Choral, and Instrumental Music do not require a minor.

Bachelor of Arts degrees require General Education, 16 credits of one spoken foreign language, the major, a minor, and electives to equal 128 semester hours.

## DEPARTMENT OF MUSIC

### **BACHELOR OF SCIENCE IN EDUCATION DEGREE (COMPOSITE MUSIC EDUCATION MAJOR)**

A Composite Music Education Degree is selected when a student has decided to certify in both choral and instrumental music. Each student must select a performing instrument or voice as his/her major area (choral or instrumental). The other performing instrument or voice (choral or instrumental) becomes his/her minor area. A major performing area consists of seven semesters, not semester hours, of applied lessons of which at least two semesters must be at the 300 level. Composite (choral emphasis) must include at least four semesters of applied instrumental lessons other than keyboard. Composite (instrumental emphasis) must include at least four semesters of applied vocal lessons. Composite majors are required to participate in a major ensemble (Concert Band or Chorale) in the major performing area for a total of seven semesters and a major ensemble (Concert Band or Chorale) in the minor performing area for a total of four semesters. All, including transfer students, must participate in at least Chorale or Concert/Marching 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.

### **BACHELOR OF SCIENCE IN EDUCATION DEGREE (INSTRUMENTAL MUSIC EDUCATION MAJOR OR CHORAL MUSIC EDUCATION MAJOR)**

Seven semesters, not semester hours, of applied lessons must be completed, of which at least two must be taken at the 300 level. All majors are required to participate for a minimum of seven semesters in a major performing ensemble (Concert Band or Chorale) in their major performing area. All, including transfer students, must participate in at least Chorale or Concert/Marching Band, as appropriate to the major, each semester that they are enrolled on campus in their major area, with the exception of the semester of student teaching.

### **BACHELOR OF ARTS DEGREE (*Music Major*)**

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 eight semesters of applied lessons, at least two of which must be taken at the 400 level. A minimum requirement of eight 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 for an approved vocal ensemble for major ensemble credit. However, the eight credits still must be earned over eight semesters).

### **MUSIC MINORS**

All music minors must select an instrument or voice and complete a minimum of four semesters, not semester hours, of lessons in that area. All music minors are also required to participate in at least five semesters in a major ensemble (Concert Band or Chorale).

### **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 Music. (Special fees apply.) MUSC 236/336 Chorale and/or MUSC 237/337 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.

### **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 of 2.5.
2. Receiving permission from their applied instructor.
3. Passing the Piano Proficiency Examination.
4. Passing the Upper Level Barrier Examination.

### **UPPER LEVEL BARRIER 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 Upper Level Barrier Exam. The Barrier 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 barrier 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 and minors 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 "by jury."

## DEPARTMENT OF MUSIC

### **THEORY, KEYBOARD REQUIREMENT**

Students registered for MUSC 122 – Music Theory I are required to take MUSC 130 – Piano Keyboard Skills I during the same fall semester as preparation for Piano Proficiency Exam (MUSC 230). Students registered for MUSC 124 – Music Theory II are likewise required to take MUSC 131 – Piano Keyboard Skills II the same spring semester. Students may also elect to continue preparation for the exam in MUSC 231 - Keyboard Skills III, and MUSC 232 - Keyboard Skills IV.

### **RECITAL 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 (for B.S. degree) or eighth semester (for B.A. degree) of applied study for the major applied instrument. Students must be enrolled in at least the second semester of 300 applied level study (for B.S. degree) or 400 level (for B.A. degree) during the semester of the 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 three 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. 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 on their major instrument for jury examination at the end of each semester that they take applied lessons.

### **PERFORMANCE CLASS REQUIREMENT**

All music majors must enroll in and satisfy requirements for Performance Class (MUSC 135N) during each semester that they are a declared music major. The only exception is the semester that students are student teaching. All music minors must enroll in and satisfy requirements for four semesters of Performance Class (MUSC 135N) 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.

### **ENSEMBLE PARTICIPATION**

See above for ensemble requirements for majors and minors. Music ensembles are open to all students regardless of academic major. Students who are not music majors or minors are encouraged to participate in Department of Music ensembles and activities. All music majors and minors with instrumental or composite emphasis are required to participate in the DSU Marching Band.



## DEPARTMENT OF MUSIC

### **Bachelor of Science in Education Degree Composite Music Education**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Professional Secondary Education**

#### **STUDENT LEARNING OUTCOMES**

The graduate from this program will have demonstrated:

1. The ability to analyze and evaluate musical performance from various perspectives and to receive responsively suggestions about and criticisms of his or her own performance from others. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
2. The comprehension of theoretical, formal, structural, and compositional music concepts. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
3. Familiarity with a diverse body of musical literature of different genre, style, period, and culture. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
4. The ability to identify sources and tools for historical research in music, to reflect on musical performances on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. The ability to use contemporary music technology in reinforcement, recording, and computer manipulations. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
6. A basic proficiency on keyboard and a wide range of instruments. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
7. A high proficiency either in voice or on a specific instrument of his or her choice and a moderate proficiency on the other. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
8. Ability to perform successfully in public with voice or on his or her instrument both in ensembles and in solo recitals. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
9. A moderate proficiency in arranging and conducting instrumental ensembles and in conducting choral ensembles for high schools. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
10. Effective planning, teaching, and assessment skills for music education in an elementary and secondary institution as prescribed by the North Dakota Education Standards and Practices Board. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)

### **COMPOSITE MUSIC EDUCATION MAJOR COURSES CHORAL AND INSTRUMENTAL COMPOSITE K-12 LICENSURE**

MUSC 120 - Introduction to Music Literature.....	3
MUSC 122 - Music Theory I.....	3
MUSC 123 - Aural Skills I.....	1
MUSC 124 - Music Theory II.....	3
MUSC 125 - Aural Skills II.....	1
MUSC 130, 131 - Piano Keyboard Skills I & II.....	2
MUSC 222 - Music Theory III.....	3
MUSC 223 - Aural Skills III.....	1
MUSC 224 - Music Theory IV.....	3
MUSC 225 - Aural Skills IV.....	1
MUSC 230N - Piano Proficiency Exam.....	0
MUSC 253 - Woodwinds Class.....	3
MUSC 255 - Brass Class.....	3
MUSC 257 - Percussion Class.....	2
MUSC 259 - Strings Class.....	2
MUSC 306 - Instrumental Conducting.....	2
MUSC 307 Choral Conducting.....	2
MUSC 310 Music Technology.....	2
MUSC 325 - Vocal Pedagogy and Diction.....	3
MUSC 326, 327 - Music History and Literature I and II.....	6
MUSC 335 - Instrumental Arranging.....	2
MUSC 405 - Musical Form and Analysis.....	2
ELED 390M - Elementary Music Methods.....	3
SEED 390M - Secondary Instrumental Music Methods.....	3
SEED 490M - Secondary Choral Music Methods.....	3
Ensembles.....	11
Small Ensembles.....	1
Applied Music.....	11
Recital.....	

**TOTAL SEMESTER HOURS..... 82**

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

### **Bachelor of Science in Education Degree Instrumental Music Education**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Professional Secondary Education**

#### **STUDENT LEARNING OUTCOMES**

The graduate from this program will have demonstrated:

1. The ability to analyze and evaluate musical performance from various perspectives and to receive responsively suggestions about and criticisms of his or her own performance from others. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)

## DEPARTMENT OF MUSIC

2. The comprehension of theoretical, formal, structural, and compositional music concepts. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
3. Familiarity with a diverse body of musical literature of different genre, style, period, and culture. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
4. The ability to identify sources and tools for historical research in music, to reflect on musical performances on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. The ability to use contemporary music technology in reinforcement, recording, and computer manipulations. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
6. A basic proficiency on keyboard, voice, and a wide range of instruments. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
7. A high proficiency on a specific instrument of his or her choice. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
8. Ability to perform successfully in public on his or her instrument both in ensembles and in solo recitals. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
9. A moderate proficiency in arranging and conducting instrumental ensembles and in conducting choral ensembles for high schools. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
10. Effective planning, teaching, and assessment skills for music education in an elementary and secondary institution as prescribed by the North Dakota Education Standards and Practices Board. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)

MUSC 259 - Strings Class .....	2
MUSC 306 - Instrumental Conducting.....	2
MUSC 310 - Music Technology.....	2
MUSC 326, 327 - Music History and Literature I and II .....	6
MUSC 335 - Instrumental Arranging.....	2
MUSC 405 - Musical Form and Analysis .....	2
ELED 390M - Elementary Music Methods.....	3
SEED 390M - Secondary Instrumental Music Methods .....	3
Ensembles.....	7
Small Ensembles .....	1
Applied Music .....	7
Recital	

**TOTAL SEMESTER HOURS..... 70**

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

### Bachelor of Science in Education Degree Choral Music Education

#### Degree Requirements:

- General Education Courses**
- Major Courses**
- Professional Secondary Education**

#### STUDENT LEARNING OUTCOMES

The graduate from this program will have demonstrated:

1. The ability to analyze and evaluate musical performance from various perspectives and to receive responsively suggestions about and criticisms of his or her own performance from others. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
2. The comprehension of theoretical, formal, structural, and compositional music concepts. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
3. Familiarity with a diverse body of musical literature of different genre, style, period, and culture. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
4. The ability to identify sources and tools for historical research in music, to reflect on musical performances on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. The ability to use contemporary music technology in reinforcement, recording, and computer manipulations. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
6. A basic proficiency on keyboard and a wide range of instruments. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)

#### INSTRUMENTAL MUSIC EDUCATION MAJOR COURSES

##### K-12 LICENSURE

MUSC 120 - Introduction to Music Literature.....	3
MUSC 122 - Music Theory I.....	3
MUSC 123 - Aural Skills I .....	1
MUSC 124 - Music Theory II .....	3
MUSC 125 - Aural Skills II.....	1
MUSC 130, 131 - Piano Keyboard Skills I & II .....	2
MUSC 183 - Voice for Instrumentalists .....	2
MUSC 206 - Basic Conducting.....	2
MUSC 222 - Music Theory III.....	3
MUSC 223 - Aural Skills III .....	1
MUSC 224 - Music Theory IV .....	3
MUSC 225 - Aural Skills IV .....	1
MUSC 230N - Piano Proficiency Exam.....	0
MUSC 253 - Woodwinds Class.....	3
MUSC 255 - Brass Class.....	3
MUSC 257 - Percussion Class .....	2



## DEPARTMENT OF MUSIC

7. High proficiency in voice (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
8. The ability to perform successfully in public with voice both ensembles and in solo recitals. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
9. A moderate proficiency in arranging and conducting instrumental ensembles and in conducting choral ensembles for high schools. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
10. Effective planning, teaching, and assessment skills for music education in an elementary and secondary institution as prescribed by the North Dakota Education Standards and Practices Board. (This learning outcome directly addresses Institutional Learning Outcomes I, II, IV, and V.)



### Bachelor of Arts Degree Music

#### Degree Requirements:

- General Education Courses**
- Major Courses**
- Minor Courses**
- Foreign Language Requirement**
- Electives**

#### CHORAL MUSIC EDUCATION MAJOR COURSES K-12 LICENSURE

MUSC 120 – Introduction to Music Literature .....	3
MUSC 122 - Music Theory I.....	3
MUSC 123 - Aural Skills I .....	1
MUSC 124 - Music Theory II .....	3
MUSC 125 - Aural Skills II.....	1
MUSC 130, 131 - Piano Keyboard Skills I & II .....	2
MUSC 206 - Basic Conducting.....	2
MUSC 222 - Music Theory III.....	3
MUSC 223 - Aural Skills III .....	1
MUSC 224 - Music Theory IV .....	3
MUSC 225 - Aural Skills IV .....	1
MUSC 230N - Piano Proficiency Exam.....	0
MUSC 253 – Woodwinds Class .....	3
MUSC 255 – Brass Class .....	3
MUSC 257 – Percussion Class.....	2
MUSC 259 - Strings Class .....	2
MUSC 307 – Choral Conducting .....	2
MUSC 310 – Music Technology .....	2
MUSC 325 - Vocal Pedagogy and Diction .....	3
MUSC 326, 327 - Music History and Literature I and II .....	6
MUSC 405 - Musical Form and Analysis .....	2
ELED 390M - Elementary Music Methods.....	3
SEED 490M - Secondary Choral Music Methods .....	3
Ensembles.....	7
Small Ensembles .....	1
Applied Music .....	7
Recital	
<b>TOTAL SEMESTER HOURS.....</b>	<b>69</b>

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

#### STUDENT LEARNING OUTCOMES

The graduate from this program will have demonstrated:

1. The ability to analyze and evaluate musical performance from various perspectives and to receive responsively suggestions about and criticisms of his or her own performance from others. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
2. The comprehension of theoretical, formal, structural, and compositional music concepts. (This learning outcome directly addresses Institutional Learning Outcomes I, IV, and V.)
3. Familiarity with a diverse body of musical literature of different genre, style, period, and culture. (This learning outcome directly addresses Institutional Learning Outcomes III, IV, and V.)
4. The ability to identify sources and tools for historical research in music, to reflect on musical performances on paper, and to produce a formal research paper. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
5. The ability to use contemporary music technology in reinforcement, recording, and computer manipulations. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)
6. A basic proficiency on keyboard, voice, and a wide range of instruments. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)

## DEPARTMENT OF MUSIC

7. A basic proficiency either in voice, or on a specific instrument of his or her choice. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
8. The ability to perform successfully in public with voice or on his or her instrument both in ensembles and in solo recitals. (This learning outcome directly addresses Institutional Learning Outcomes IV, and V.)
9. A moderate proficiency in arranging and conducting instrumental ensembles and in conducting choral ensembles. (This learning outcome directly addresses Institutional Learning Outcomes II, IV, and V.)

### **MUSIC MAJOR COURSES**

MUSC 120 – Introduction to Music Literature .....	3
MUSC 122 – Music Theory I.....	3
MUSC 123 – Aural Skills I .....	1
MUSC 124 – Music Theory II.....	3
MUSC 125 – Aural Skills II.....	1
MUSC 130, 131 – Piano Keyboard Skills I & II.....	2
MUSC 222 – Music Theory III .....	3
MUSC 223 – Aural Skills III.....	1
MUSC 224 – Music Theory IV .....	3
MUSC 225 – Aural Skills IV.....	1
MUSC 306 – Instrumental Conducting or MUSC 307 Choral Conducting .....	2
MUSC 310 Music Technology .....	2
MUSC 326, 327 – Music History and Literature I and II .....	6
MUSC 405 – Musical Form and Analysis.....	2
Electives in Music .....	7
Ensembles.....	8
Applied Music .....	8
Recital .....	8

**TOTAL SEMESTER HOURS.....56**

### **Minors**

#### **INSTRUMENTAL MUSIC EDUCATION MINOR SECONDARY EDUCATION**

MUSC 120 – Introduction to Music Literature .....	3
MUSC 122 – Music Theory I.....	3
MUSC 123 – Aural Skills I .....	1
MUSC 124 – Music Theory II.....	3
MUSC 125 – Aural Skills II.....	1
MUSC 130, 131 – Piano Keyboard Skills I & II.....	2
MUSC 230N – Piano Proficiency Exam .....	0
Choose one of the following courses.....	2-3
MUSC 253 – Woodwinds Class .....	3
MUSC 255 – Brass Class .....	3
MUSC 257 – Percussion Class.....	2
MUSC 259 – Strings Class.....	2
MUSC 306 – Instrumental Conducting.....	2
SEED 390M – Secondary Instrumental Music Methods .....	3
Ensembles.....	5
Applied Music .....	4
Music Electives .....	1-2
<b>TOTAL SEMESTER HOURS.....</b>	<b>30-32</b>

#### **INSTRUMENTAL MUSIC EDUCATION MINOR ELEMENTARY EDUCATION**

MUSC 120 – Introduction to Music Literature .....	3
MUSC 122 – Music Theory I.....	3
MUSC 123 – Aural Skills I .....	1
MUSC 124 – Music Theory II.....	3
MUSC 125 – Aural Skills II.....	1
MUSC 130, 131 – Piano Keyboard Skills I & II.....	2
MUSC 230N – Piano Proficiency Exam .....	0
Choose one of the following courses.....	2-3
MUSC 253 – Woodwinds Class .....	3
MUSC 255 – Brass Class .....	3
MUSC 257 – Percussion Class.....	2
MUSC 259 – Strings Class.....	2
MUSC 306 – Instrumental Conducting.....	2
ELED 390M – Elementary Music Methods.....	3
Ensembles.....	5
Applied Music .....	4
Music Electives .....	1-2
<b>TOTAL SEMESTER HOURS.....</b>	<b>30-32</b>



## DEPARTMENT OF MUSIC

### CHORAL MUSIC EDUCATION MINOR

#### SECONDARY EDUCATION

MUSC 120 – Introduction to Music Literature .....	3
MUSC 122 - Music Theory I.....	3
MUSC 123 - Aural Skills I .....	1
MUSC 124 - Music Theory II .....	3
MUSC 125 - Aural Skills II.....	1
MUSC 130, 131 - Piano Keyboard Skills I & II .....	2
MUSC 230N - Piano Proficiency Exam.....	0
MUSC 307 - Choral Conducting.....	2
MUSC 325 - Vocal Pedagogy and Diction .....	3
SEED 490M - Secondary Choral Music Methods .....	3
Ensembles.....	5
Applied Music .....	4
Music Electives .....	2
<b>TOTAL SEMESTER HOURS.....</b>	<b>32</b>

### CHORAL MUSIC EDUCATION MINOR

#### ELEMENTARY EDUCATION

MUSC 120 – Introduction to Music Literature .....	3
MUSC 122 - Music Theory I.....	3
MUSC 123 - Aural Skills I .....	1
MUSC 124 - Music Theory II .....	3

MUSC 125 - Aural Skills II.....	1
MUSC 130, 131 - Piano Keyboard Skills I & II .....	2
MUSC 230N - Piano Proficiency Exam.....	0
MUSC 307 - Choral Conducting.....	2
ELED 390M - Elementary Music Methods.....	3
SEED 490M - Secondary Choral Music Methods .....	3
Ensembles.....	5
Applied Music .....	4
Music Electives .....	2
<b>TOTAL SEMESTER HOURS.....</b>	<b>32</b>

### MUSIC MINOR

MUSC 120 – Introduction to Music Literature .....	3
MUSC 122 - Music Theory I.....	3
MUSC 123 - Aural Skills I .....	1
MUSC 124 - Music Theory II .....	3
MUSC 125 - Aural Skills II.....	1
MUSC 130, 131 - Piano Keyboard Skills I & II .....	2
MUSC 230N - Piano Proficiency Exam.....	0
MUSC 326, 327 - Music History .....	6
Ensembles.....	5
Applied Music .....	4
<b>TOTAL SEMESTER HOURS.....</b>	<b>28</b>



## DEPARTMENT OF NATURAL SCIENCES



### **FACULTY**

Full-time Faculty: Hastings – Chair, C.Brevik, E. Brevik, C. Burgess, L.Burgess, Coyle, Martin, Pierce, Shaughnessy

Guidelines for accrediting agencies and professional societies are used in designing programs and courses.

### **MAJOR AND MINORS**

#### **MAJORS**

Bachelor of Science in Education in Composite Science  
(Secondary Education)  
Bachelor of Science in Education in Biology (Secondary  
Education)  
Bachelor of Science in Biology (Biology or Biology  
Professional Option)  
Bachelor of Science in Biology (Wildlife Biology Option)  
Bachelor of Arts in Biology  
Bachelor of Science in Environmental Health  
Bachelor of Science in Environmental Science  
Bachelor of Arts in Environmental Health  
Bachelor of Science in Education in Chemistry Education  
(Secondary Education)  
Bachelor of Science in Chemistry  
Bachelor of Arts in Chemistry

#### **MINORS**

Biology (Non-teaching)  
Biology Education (Elementary Education or Secondary  
Education)  
Chemistry Education (Elementary Education or  
Secondary Education)  
Chemistry (Non-teaching)  
Science Education (Elementary Education)  
Earth Science Education (Elementary Education or  
Secondary Education)  
Earth Science (Non-teaching)

A grade “C” or better is required in all courses taken in fulfillment of a natural sciences degree or minor as a graduation requirement.

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 (Biology 357) and Environmental Health Economics, Law and Public Policy Development (Biology 260).

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

## DEPARTMENT OF NATURAL SCIENCES

### **Bachelor of Science in Education Degree Composite Science Education**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Professional Secondary Education**

#### **STUDENT LEARNING OUTCOMES**

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

1. Demonstrate an understanding of many of the fundamental content and processes in biology, chemistry, physics, environmental science, earth science and mathematics through college algebra. (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
2. Analyze science problems and interpret results using the scientific method in an interdisciplinary manner in several areas of science. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Demonstrate an understanding of the history and philosophy of science as well as the interrelationships among the sciences. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
4. Demonstrate an understanding of the effect of social and technological context on the study of science and on the application and valuing of scientific knowledge, and the relationship of science to industry, business, government, and multicultural aspects of a variety of communities. (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
5. Relate science to the daily lives and interests of students, utilize inquiry-based methodologies, and gain an understanding of the professional practices and responsibilities of the science education community. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
6. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
7. Organize, implement, and assess a comprehensive instructional program using effective planning and teaching methods for both the lecture and lab components in several areas of science (biology, chemistry, environmental science and earth science) at the secondary level. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)

### **Composite Science Education Major Courses**

#### **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 154, 154L – Introduction to Botany and Lab or BIOL 170, 170L – General Zoology and Lab .....	4
BIOL 211 – Human Anatomy.....	3
BIOL 211L – Human Anatomy Lab .....	1
BIOL 300 – Environmental Biology .....	3
BIOL 315 – Genetics.....	3
BIOL 315L – Genetics Lab .....	1
BIOL 480 – Lab Practicum.....	1
CHEM 116 – Introduction to Organic and Biochemistry.....	3
CHEM 116L – Introduction to Organic and Biochemistry Lab .....	1
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry II Lab .....	1
MATH 103 – College Algebra.....	4
MATH 105 – Trigonometry.....	2
MATH 305 – Probability and Statistics.....	4
PHYS 211/PHYS 211L – College Physics I & Lab or .....	4
PHYS 251, 251L – University Physics I and Lab...5	
PHYS 212/PHYS 212L – College Physics II and Lab or.....	4
PHYS 252, 252L – University Physics II and Lab ..5	
ASTR 110 – Introductory Astronomy .....	3
ASTR 110L – Introductory Astronomy Lab.....	1
EASC 315 – Weather and Climate .....	3
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
SEED 490S – Secondary Education Science Methods .....	3
<b>TOTAL SEMESTER HOURS....</b>	<b>74-76</b>

### **Bachelor of Science in Education Degree Biology Education**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Professional Secondary Education**

#### **STUDENT LEARNING OUTCOMES**

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

1. Demonstrate an understanding of the fundamental content of cellular, organismal, and evolutionary processes. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze science problems and interpret results using the scientific method in an interdisciplinary manner. (This

## DEPARTMENT OF NATURAL SCIENCES

- learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Demonstrate an understanding of the history and philosophy of science as well as the interrelationships among the sciences. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
  4. Demonstrate an understanding of the effect of social and technological context on the study of science and on the application and valuing of scientific knowledge, and of the relationship of science to industry, business, government, and multicultural aspects of a variety of communities. (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
  5. Relate science to the daily lives and interests of students, utilize inquiry-based methodologies, and gain an understanding of the professional practices and responsibilities of the science education community. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
  6. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
  7. Organize, implement, and assess a comprehensive instructional program using effective planning and teaching methods for both the lecture and lab components of the biology courses at the secondary level. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)

### **BIOLOGY EDUCATION MAJOR COURSES**

#### **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 154, 154L – Introduction to Botany and Lab or BIOL 170, 170L – General Zoology and Lab .....	4
BIOL 211 – Human Anatomy.....	3
BIOL 211L – Human Anatomy Lab .....	1
BIOL 300 – Environmental Biology .....	3
BIOL 302 – Microbiology .....	3
BIOL 302L – Microbiology Lab .....	1
BIOL 315 – Genetics.....	3
BIOL 315L – Genetics Lab .....	1
BIOL 389 – Scientific Writing and Readings.....	2
BIOL 415 – Ecology.....	4
BIOL 459 – Evolution .....	4
BIOL 480 – Lab Practicum.....	1
SEED 490S – Secondary Education Science Methods .....	3
Required in other areas:	
PHYS 211/PHYS 211L – College Physics I & Lab or .....	4
PHYS 251, 251L – University Physics I and Lab ....	5
PHYS 212/PHYS 212L – College Physics II and Lab or.....	4
PHYS 252, 252L – University Physics II and Lab..	5
GEOL 100 – Earth Science.....	3
GEOL 100L – Earth Science Lab .....	1
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1

CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry II Lab .....	1
MATH 103 – College Algebra.....	4
MATH 105 – Trigonometry.....	2
MATH 305 – Probability and Statistics.....	4
<b>TOTAL SEMESTER HOURS....</b>	<b>73-75</b>

### **Bachelor of Science Degree Biology**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses - Optional**

### **STUDENT LEARNING OUTCOMES**

A student successfully completing the Biology Major will be able to:

1. Understand the fundamentals of cellular, organismal, and evolutionary processes. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze science problems and interpret results. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Gain the necessary training to succeed in specific careers in government or industry. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)

### **BIOLOGY MAJOR 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 154, 154L – Introduction to Botany and Lab .....	4
BIOL 170, 170L – General Zoology and Lab .....	4
BIOL 315 – Genetics.....	3
BIOL 315L – Genetics Lab .....	1
BIOL 389 – Scientific Writing and Readings.....	2
BIOL 410 – Animal Physiology or Biol 212, 212L – Human Physiology and Lab .....	4
BIOL 415 – Ecology.....	4
BIOL 430, 430L – Cell Biology and Lab or CHEM 360, 360L – Elements of Biochemistry and Lab .....	4
BIOL 459 – Evolution .....	4
BIOL 491 – Biology Seminar.....	2
SCNC 291 – Sophomore Science Seminar .....	1
Biology Electives.....	2
Required in other areas:	
CHEM 121 – General Chemistry I .....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4

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CHEM 122L – General Chemistry II Lab .....	1
MATH 103 - College Algebra .....	4
MATH 305 - Probability and Statistics .....	4
CHEM 116, 116L – Introduction to Organic and Biochemistry and Lab or	
CHEM 341, 341L – Organic Chemistry and Lab (strongly recommended).....	4-5
<b>TOTAL SEMESTER HOURS....</b>	<b>65-66</b>

BIOL 491 – Biology Seminar.....	2
SCNC 291 – Sophomore Science Seminar .....	1
Required in other areas:	
CHEM 121 – General Chemistry I .....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry II Lab .....	1
CHEM 341 – Organic Chemistry I.....	4
CHEM 341L – Organic Chemistry I Lab .....	1
CHEM 342 – Organic Chemistry II .....	4
CHEM 342L – Organic Chemistry II Lab.....	1
PHYS 211/PHYS 211L – College Physics I & Lab or.....	4
PHYS 251, 251L – University Physics I and Lab ....	5
PHYS 212/PHYS 212L – College Physics II and Lab or.....	4
PHYS 252, 252L – University Physics II and Lab..	5
MATH 305 – Probability and Statistics.....	4
MATH 165, 166 – Calculus I and II – Strongly recommended	
<b>TOTAL SEMESTER HOURS....</b>	<b>73-75</b>

### Bachelor of Science Degree Biology (Professional Option)

#### Degree Requirements:

**General Education Courses**  
**Major Courses**  
**Minor Courses - Optional**

#### STUDENT LEARNING OUTCOMES

A student successfully completing the Biology Professional Option will be able to:

1. Understand the fundamentals of cellular, organismal, and evolutionary processes. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze science problems and interpret results. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Acquire the skills and knowledge to successfully enter professional schools and/or graduate schools. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
5. Gain the necessary training to succeed in scientific careers in government or industry. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)

#### BIولوجY MAJOR COURSES – PROFESSIONAL OPTION

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 154, 154L – Introduction to Botany and Lab .....	4
BIOL 170, 170L – General Zoology and Lab .....	4
BIOL 315 – Genetics.....	3
BIOL 315L – Genetics Lab .....	1
BIOL 389 – Scientific Writing and Readings.....	2
BIOL 410 – Animal Physiology or	
BIOL 212, 212L – Human Physiology and Lab.....	4
BIOL 415 – Ecology.....	4
BIOL 430, 430L – Cell Biology and Lab or	
CHEM 360, 360L – Elements of Biochemistry and Lab.....	4
BIOL 459 – Evolution .....	4

### Bachelor of Science Degree Biology (Wildlife Biology Option)

#### Degree Requirements:

**General Education Courses**  
**Major Courses**  
**Minor Courses - Optional**

#### STUDENT LEARNING OUTCOMES

A student successfully completing the Wildlife Biology Option will be able to:

1. Understand the fundamentals of biology, chemistry and physics. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze problems related to natural systems, wildlife populations and species, their interactions with each other as well as their interaction with human populations. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
3. Use technology and interpret the results of scientific research related to wildlife and natural systems biology, formulate conclusions and propose solutions to problems. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Communicate results and information effectively to the scientific and lay communities. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
5. Succeed in future education in graduate programs in wildlife biology and related disciplines. (This learning outcome directly addresses Institutional Learning Outcome V.)
6. Gain the necessary training to succeed in scientific careers in government and industry. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)



## DEPARTMENT OF NATURAL SCIENCES

### BIOLOGY MAJOR COURSES

#### WILDLIFE BIOLOGY OPTION

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 154 – Introduction to Botany.....	3
BIOL 154L – Introduction to Botany Lab .....	1
BIOL 170 – General Zoology.....	3
BIOL 170L – General Zoology Lab .....	1
BIOL 250 – Wildlife Management .....	3
BIOL 250L – Wildlife Management Lab .....	1
BIOL 300 – Environmental Biology .....	3
BIOL 345 – Parasitology .....	4
BIOL 370 – Ornithology .....	3
BIOL 370L – Ornithology Lab.....	1
BIOL 389 – Scientific Writing and Readings .....	2
BIOL 410 – Animal Physiology .....	4
BIOL 415 – Ecology.....	4
BIOL 420 – Mammalogy.....	4
BIOL 459 – Evolution .....	4
BIOL 491 – Biology Seminar.....	2
SCNC 291 – Sophomore Science Seminar .....	1

Required in other areas:

CHEM 116 – Introduction to Organic & Biochemistry .....	3
CHEM 116L – Introduction to Organic & Biochemistry Lab ..	1
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II .....	4
CHEM 122L – General Chemistry II Lab .....	1
PHYS 211, 211L – College Physics I & Lab or .....	4
PHYS 251, 251L – University Physics I and Lab ..	5
PHYS 212, 212L – College Physics II and Lab or .....	4
PHYS 252, 252L – University Physics II and Lab..	5

MATH 305 – Probability and Statistics..... 4  
 Select at least **six** hours from the following ..... 6

RNG 236 – Rangeland Vegetation & Communities* .....	3
RNG 336 – Introduction to Range Management* .....	3
GIS 380 – Applied Arc GIS.....	3
SOIL 210 – Introduction to Soil Science.....	4
GEOL 320 – Hydrogeology.....	3
BIOL 340 – Comparative Vertebrate Anatomy ..	4
BIOL 355 – Environmental Toxicology .....	3
BIOL 385 – Herpetology .....	3
BIOL 497 – Biology Internship** .....	3

\*Co-requisites

\*\*Agency must deal with wildlife and be approved by the Department of Natural Sciences

**TOTAL SEMESTER HOURS....84-86**

### Bachelor of Arts Degree Biology

#### Degree Requirements:

**General Education Courses**  
**Major Courses**  
**Minor Courses - Optional**  
**Foreign Language Requirement**  
**Electives**

#### STUDENT LEARNING OUTCOMES

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

1. Understand the fundamentals of cellular, organismal, and evolutionary processes. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze science problems and interpret results. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Gain additional training to succeed in specific careers in government or industry. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
5. Better understand cultural diversity through foreign language study. (This learning outcome directly addresses Institutional Learning Outcomes II, III and IV.)

#### BIOLOGY MAJOR 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 154, 154L – Introduction to Botany and Lab .....	4
BIOL 170, 170L – General Zoology and Lab .....	4
BIOL 315 – Genetics.....	3
BIOL 315L – Genetics Lab .....	1
BIOL 389 – Scientific Writing and Readings.....	2
BIOL 410 Animal Physiology or BIOL 212, 212L – Human Physiology and Lab.....	4
BIOL 415 – Ecology.....	4
BIOL 430, 430L – Cell Biology and Lab or CHEM 360, 360L – Elements of Biochemistry and Lab .....	4
BIOL 459 – Evolution .....	4
BIOL 491 – Biology Seminar.....	2
Biology Electives.....	2
SCNC 291 – Sophomore Science Seminar .....	1

Required in other areas:

CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II .....	4

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CHEM 122L – General Chemistry II Lab .....	1
MATH 103 – College Algebra.....	4
MATH 305 – Probability and Statistics.....	4
CHEM 116, 116L – Introduction to Organic and Biochemistry and Lab or	
CHEM 341, 341L – Organic Chemistry and Lab (strongly recommended).....	4-5
<b>TOTAL SEMESTER HOURS....</b>	<b>65-66</b>

BIOL 306 – Radiation Health.....	2
BIOL 325 – Environmental Health Techniques .....	3
BIOL 325L – Environmental Health Techniques Lab .....	1
BIOL 345 – Parasitology .....	4
BIOL 355 – Environmental Toxicology .....	3
BIOL 389 – Scientific Writing and Readings.....	2
BIOL 450 – Epidemiology .....	3
BIOL 491A – Environmental Health Seminar.....	2
BIOL 297/497 – Biology Internship, Externship, Cooperative Education .....	5
SCNC 291 – Sophomore Science Seminar .....	1
Required in other areas:	
CHEM 116 – Introduction to Organic and Biochemistry.....	3
CHEM 116L – Introduction to Organic and Biochemistry Lab .....	1
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry II Lab .....	1
CHEM 300 – Environmental Chemistry .....	1
GEOL 320 – Hydrogeology.....	3
PHYS 211, 211L – College Physics I and Lab or.....	4
PHYS 251/251L – University Physics I and Lab ...	5
MATH 103 – College Algebra.....	4
MATH 305 – Probability and Statistics.....	4
SOIL 210 – Introduction to Soil Science.....	4
<b>TOTAL SEMESTER HOURS....</b>	<b>78-80</b>

### Bachelor of Science Degree Environmental Health

#### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Electives

#### STUDENT LEARNING OUTCOMES

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

1. Understand the fundamentals of biology, chemistry and physics. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze problems in public health and disease prevention and apply the results to improving the health of the public. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Succeed in future education in graduate programs of environmental health and related biological sciences. (This learning outcome directly addresses Institutional Learning Outcome V.)
5. Better understand global environmental health issues and thus appreciate cultural diversity. (This learning outcome directly addresses Institutional Learning Outcome III.)
6. Understand and further health and wellness knowledge and communicate this knowledge to the public. (This learning outcome directly addresses Institutional Learning Outcomes II and VI.)

#### BIOLOGY MAJOR COURSES

#### ENVIRONMENTAL HEALTH

BIOL 150 – General Biology I.....	3
BIOL 150L – General Biology I Lab.....	1
BIOL 260 – Environmental Health Economics, Law and Public Policy Development .....	3
BIOL 270 – Water, Wastewater and Solid Waste .....	2
BIOL 280 – All –hazard preparedness.....	2
BIOL 300 – Environmental Biology or.....	3
BIOL 151/151L – General Biology II and Lab.....	4
BIOL 302 – Microbiology .....	3
BIOL 302L – Microbiology Lab .....	1

### Bachelor of Arts Degree Environmental Health

#### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Foreign Language Requirements

#### Electives

#### STUDENT LEARNING OUTCOMES

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

1. Understand the fundamentals of biology, chemistry and physics. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze problems in public health and disease prevention and apply the results to improving the health of the public. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Succeed in practice and leadership in the field of environmental health. (This learning outcome directly addresses Institutional Learning Outcome V.)
5. Succeed in future education in graduate programs of environmental health and related biological sciences.



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(This learning outcome directly addresses Institutional Learning Outcome V.)

6. Understand the multicultural diversity to be able to apply environmental health problems to the citizens of the world. (This learning outcome directly addresses Institutional Learning Outcome III.)
7. Better understand cultural diversity through foreign language study. (This learning outcome directly addresses Institutional Learning Outcomes II, III and IV.)

### **BIOLOGY MAJOR COURSES**

#### **ENVIRONMENTAL HEALTH**

BIOL 150 – General Biology I.....	3
BIOL 150L – General Biology I Lab.....	1
BIOL 260 – Environmental Health Economics, Law and Public Policy Development .....	3
BIOL 270 – Water, Wastewater and Solid Waste .....	2
BIOL 280 – All-hazard Preparedness .....	2
BIOL 300 – Environmental Biology or.....	3
BIOL 151/151L – General Biology II and Lab ...4	
BIOL 302 – Microbiology .....	3
BIOL 302L – Microbiology Lab .....	1
BIOL 306 – Radiation Health.....	2
BIOL 325 – Environmental Health Techniques .....	3
BIOL 325L – Environmental Health Techniques Lab .....	1
BIOL 345 – Parasitology .....	4
BIOL 355 – Environmental Toxicology .....	3
BIOL 389 – Scientific Writing and Readings.....	2
BIOL 450 – Epidemiology .....	3
BIOL 491A – Environmental Health Seminar.....	2
BIOL 297/497 – Biology Internship, Externship, Cooperative Education .....	5
SCNC 291 – Sophomore Science Seminar .....	1
Required in other areas:	
CHEM 116 – Introduction to Organic and Biochemistry.....	3
CHEM 116L – Introduction to Organic and Biochemistry Lab .....	1
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry II Lab .....	1
CHEM 300 – Environmental Chemistry .....	1
GEOL 320 – Hydrogeology.....	3
PHYS 211, 211L – College Physics I and Lab or.....	4
PHYS 251/251L – University Physics I and Lab ...5	
MATH 103 – College Algebra.....	4
MATH 305 – Probability and Statistics.....	4
SOIL 210 – Introduction to Soil Science.....	4
<b>TOTAL SEMESTER HOURS....</b>	<b>78-80</b>

## **Bachelor of Science Degree Environmental Science**

### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses - Optional**

#### **Electives**

### **STUDENT LEARNING OUTCOMES**

A student successfully completing the Environmental Science major will be able to:

1. Demonstrate a broad, fundamental background in biology, chemistry, the earth sciences, and physics. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze scientific problems and interpret results. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
4. Succeed in specific careers in government or industry. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
5. Successfully enter professional schools and/or graduate schools in environmental science and related fields if desired. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
6. Demonstrate an awareness of major global environmental issues and appreciate the interconnectedness of the global system. (This learning outcome directly addresses Institutional Learning Outcomes III.)

### **ENVIRONMENTAL SCIENCE MAJOR 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 260 – Environmental Health Economics, Law, Public Policy Development .....	3
BIOL 389 – Scientific Writing and Readings.....	2
BIOL 415 – Ecology.....	4
BIOL 491A – Environmental Health Seminar.....	2
CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry Lab II .....	1
CHEM 341 – Organic Chemistry I.....	4
CHEM 341L – Organic Chemistry I Lab .....	1
CHEM 342 – Organic Chemistry II .....	4
CHEM 342L – Organic Chemistry II Lab .....	1
GEOL 105 – Physical Geology .....	3
GEOL 105L – Physical Geology Lab.....	1
GEOL 320 – Hydrogeology.....	3
SOIL 210 – Introduction to Soil Science.....	4

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MATH 165 – Calculus I .....	4
MATH 305 – Probability and Statistics .....	4
PHYS 211/211L – College Physics I & Lab or .....	4
PHYS 251/251L – University Physics I and Lab ...	5
PHYS 212/PHYS 212L – College Physics II & Lab or .....	4
PHYS 252/252L – University Physics II & Lab....	5
GIS 380 – Applied Arc GIS.....	3
Take an additional <b>nine</b> hours from:.....	9
MATH 166 – Calculus II .....	4
BIOL 270 – Water, Wastewater, and Solid Waste .....	2
BIOL 302 – Microbiology .....	3
BIOL 302L – Microbiology Lab .....	1
BIOL 355 – Environmental Toxicology .....	3
CHEM 300 – Environmental Chemistry .....	1
CHEM 330 – Quantitative Analysis .....	4
CHEM 360 – Elements of Biochemistry .....	3
CHEM 360L – Elements of Biochemistry Lab ..	1
GEOL 311 – Process Geomorphology .....	4
GIS 470 – Remote Sensing.....	3
GIS 480 – GPS/GIS II .....	3
SOIL 321 – Soil Management and Conservation	3
SOIL 444 – Soil Genesis and Survey .....	4
RNG 453 – Rangeland Resources Watershed Management .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>77</b>

and of the relationship of science to industry, business, government, and multicultural aspects of a variety of communities. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and V.)

5. Relate science to the daily lives and interests of students, utilize inquiry based methodologies, and gain an understanding of the professional practices and responsibilities of the science education community. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
6. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
7. Organize, implement, and assess a comprehensive instructional program using effective planning and teaching methods for both the lecture and lab components of the chemistry courses at the secondary level. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)

### CHEMISTRY EDUCATION MAJOR COURSES SECONDARY EDUCATION

CHEM 116 – Introduction to Organic & Biochemistry .....	3
CHEM 116L – Introduction to Organic & Biochemistry Lab.	1
CHEM 121 - General Chemistry I.....	4
CHEM 121L - General Chemistry I Lab .....	1
CHEM 122 - General Chemistry II .....	4
CHEM 122L - General Chemistry II Lab.....	1
CHEM 300 – Environmental Chemistry .....	1
CHEM 341 - Organic Chemistry I .....	4
CHEM 341L - Organic Chemistry I Lab .....	1
CHEM 342 - Organic Chemistry II .....	4
CHEM 342L - Organic Chemistry II Lab.....	1
CHEM 330 - Quantitative Analysis.....	4
CHEM 461 - Physical Chemistry I .....	3
CHEM 461L - Physical Chemistry I Lab .....	1
CHEM 470 – Spectroscopy .....	3
CHEM 480 – Lab Practicum .....	1
SEED 490S - Secondary Education Science Methods .....	3
Required in other areas:	
BIOL 150 - General Biology I.....	3
BIOL 150L – General Biology I 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
MATH 165 - Calculus I .....	4
MATH 166 - Calculus II.....	4
MATH 265 – Calculus III.....	4
MATH 305 – Probability and Statistics .....	4
GEOL 100 - Earth Science .....	3
GEOL 100L - Earth Science Lab.....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>74</b>

### Bachelor of Science in Education Degree Chemistry Education

#### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Professional Secondary Education

#### STUDENT LEARNING OUTCOMES

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

1. Demonstrate an understanding of the fundamental content and processes of organic, inorganic, analytical, physical chemistry, and biochemistry. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze science problems and interpret results using the scientific method in an interdisciplinary manner. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Demonstrate an understanding of the history and philosophy of science as well as the interrelationships among the sciences. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
4. Demonstrate an understanding of the effect of social and technological context on the study of science and on the application and valuing of scientific knowledge,

## DEPARTMENT OF NATURAL SCIENCES

### **Bachelor of Science Degree Chemistry**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses - Optional**

#### **Electives**

Required in other areas:

MATH 165 – Calculus I .....	4
MATH 166 – Calculus II .....	4
MATH 265 – Calculus III.....	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
<b>TOTAL SEMESTER HOURS.....</b>	<b>66</b>

#### **STUDENT LEARNING OUTCOMES**

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

1. Understand the fundamentals of organic, inorganic, analytical, and physical chemistry. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze science problems and interpret results. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Acquire the skills and knowledge to successfully enter professional schools and/or graduate schools. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
5. Gain the necessary training to succeed in scientific careers in government or industry. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)

#### **CHEMISTRY MAJOR COURSES**

CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry II Lab .....	1
CHEM 330 – Quantitative Analysis .....	4
CHEM 335 – Analytical Instrumentation.....	4
CHEM 341 – Organic Chemistry I .....	4
CHEM 341L – Organic Chemistry I Lab .....	1
CHEM 342 – Organic Chemistry II .....	4
CHEM 342L – Organic Chemistry II Lab.....	1
CHEM 420 – Advanced Inorganic Chemistry.....	3
CHEM 461 – Physical Chemistry I .....	3
CHEM 461L – Physical Chemistry I Lab.....	1
CHEM 462 – Physical Chemistry II.....	3
CHEM 462L – Physical Chemistry II Lab .....	1
CHEM 470 – Spectroscopy .....	3
CHEM 491 – Chemistry Seminar.....	1
SCNC 291 – Sophomore Science Seminar .....	1

### **Bachelor of Arts Degree Chemistry**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses - Optional**

#### **Foreign Language Requirement**

#### **Electives**

#### **STUDENT LEARNING OUTCOMES**

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

1. Understand the fundamentals of organic, inorganic, analytical, and physical chemistry. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Analyze science problems and interpret results. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Use technology to help solve problems and communicate information. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Acquire the skills and knowledge to successfully enter professional schools and/or graduate schools. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
5. Gain the necessary training to succeed in scientific careers in government or industry. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
6. Better understand cultural diversity through foreign language study. (This learning outcome directly addresses Institutional Learning Outcomes II, III and IV.)

#### **CHEMISTRY MAJOR COURSES**

CHEM 121 – General Chemistry I.....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II.....	4
CHEM 122L – General Chemistry II Lab .....	1

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CHEM 330 – Quantitative Analysis .....	4
CHEM 335 – Analytical Instrumentation .....	4
CHEM 341 – Organic Chemistry I .....	4
CHEM 341L – Organic Chemistry I Lab .....	1
CHEM 342 – Organic Chemistry II .....	4
CHEM 342L – Organic Chemistry II Lab .....	1
CHEM 420 – Advanced Inorganic Chemistry .....	3
CHEM 461 – Physical Chemistry I .....	3
CHEM 461L – Physical Chemistry I Lab .....	1
CHEM 462 – Physical Chemistry II .....	3
CHEM 462L – Physical Chemistry II Lab .....	1
CHEM 470 – Spectroscopy .....	3
CHEM 491 – Chemistry Seminar .....	1
SCNC 291 – Sophomore Science Seminar .....	1
Required in other areas:	
MATH 165 – Calculus I .....	4
MATH 166 – Calculus II .....	4
MATH 265 – Calculus III .....	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
<b>TOTAL SEMESTER HOURS.....</b>	<b>66</b>

The students choosing a Bachelor of Arts should start the language electives as early as possible.

### Minors

#### **BIOLOGY MINOR**

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 154, 154L – Introduction to Botany and Lab or	
BIOL 170, 170L – General Zoology and Lab .....	4
BIOL 315 – Genetics .....	3
BIOL 315L – Genetics Lab .....	1
CHEM 121 – General Chemistry I .....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II .....	4
CHEM 122L – General Chemistry II Lab .....	1
Electives .....	9
<b>TOTAL SEMESTER HOURS.....</b>	<b>35</b>

#### **BIOLOGY EDUCATION MINOR**

##### **ELEMENTARY EDUCATION OR 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 154, 154L – Introduction to Botany and Lab or	
BIOL 170, 170L – General Zoology and Lab .....	4

BIOL 315 – Genetics .....	3
BIOL 315L – Genetics Lab .....	1
CHEM 121 – General Chemistry I .....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II .....	4
CHEM 122L – General Chemistry II Lab .....	1
SEED 490S – Secondary Education Science Methods or	
ELED 390S – Elementary Education Science Methods .....	3
Electives .....	6
<b>TOTAL SEMESTER HOURS.....</b>	<b>35</b>

#### **CHEMISTRY EDUCATION MINOR ELEMENTARY EDUCATION OR SECONDARY EDUCATION**

CHEM 121 – General Chemistry I .....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II .....	4
CHEM 122L – General Chemistry II Lab .....	1
CHEM 330 – Quantitative Analysis .....	4
CHEM 341 – Organic Chemistry I .....	4
CHEM 341L – Organic Chemistry I Lab .....	1
CHEM 342 – Organic Chemistry II .....	4
CHEM 342L – Organic Chemistry II Lab .....	1
ELED 390S – Elementary Education Science Methods or	
SEED 490S – Secondary Education Science Methods .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>27</b>

#### **CHEMISTRY MINOR NON-TEACHING**

CHEM 121 – General Chemistry I .....	4
CHEM 121L – General Chemistry I Lab .....	1
CHEM 122 – General Chemistry II .....	4
CHEM 122L – General Chemistry II Lab .....	1
CHEM 330 – Quantitative Analysis .....	4
CHEM 341 – Organic Chemistry I .....	4
CHEM 341L – Organic Chemistry I Lab .....	1
CHEM 342 – Organic Chemistry II .....	4
CHEM 342L – Organic Chemistry II Lab .....	1
Chemistry Electives .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>27</b>

#### **SCIENCE EDUCATION MINOR ELEMENTARY EDUCATION**

GEOL 100 – Earth Science .....	3
GEOL 100L – Earth Science Lab .....	1
SCNC 105 – Physical Science I .....	3
SCNC 105L – Physical Science I Lab .....	1
BIOL 111, 111L – Concepts of Biology and Lab .....	4
CHEM 115 – Introductory Chemistry .....	3
CHEM 115L – Introductory Chemistry Lab .....	1
ELED 390S – Elementary Education Science Methods .....	3
Science Electives .....	5
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

## DEPARTMENT OF NATURAL SCIENCES

### **EARTH SCIENCE EDUCATION MINOR ELEMENTARY EDUCATION OR SECONDARY EDUCATION**

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 or	
GEOL 330 – Geology of North Dakota.....	3
GEOL 311 – Process Geomorphology .....	4
BIOL 111, 111L – Concepts of Biology and Lab .....	4
EASC 315 – Weather and Climate .....	3
ASTR 110 - Introductory Astronomy .....	3
ASTR 110L - Introductory Astronomy Lab .....	1
ELED 390S – Elementary Education Science Methods or	
SEED 490S – Secondary Education Science Methods .....	3
<b>TOTAL SEMESTER.....</b>	<b>29</b>

### **EARTH SCIENCE MINOR NON-TEACHING**

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 or	
GEOL 330 – Geology of North Dakota.....	3
GEOL 311 – Process Geomorphology .....	4
EASC 315 – Weather and Climate .....	3
ASTR 110 – Introductory Astronomy .....	3
ASTR 110L – Introductory Astronomy Lab.....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>22</b>





## DEPARTMENT OF SOCIAL SCIENCES



### **FACULTY**

Full-time Faculty: Meier – Chair, Brauhn, Cummisk, Doherty, F. Quijano, Varney

### **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.

### **MAJORS AND MINORS**

#### **MAJORS**

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

Bachelor of Arts in Composite Social Science (Composite Social Science or Composite Social Science Criminal Justice Track)

Bachelor of Arts in History

Bachelor of Science in Education in History Education (Secondary Education)

Bachelor of Arts in Political Science (including International Relations and Pre-Law)

Social Work Transfer Curriculum

(Minot State University Linkage Program)

#### **MINORS**

Social Science Education (Elementary Education)

Geography (Elementary Education, Secondary Education, or Non-teaching)

History (Elementary Education, Secondary Education, or Non-teaching)

Political Science (Elementary Education, Secondary Education, or Non-teaching)

Sociology (Elementary Education, Secondary Education, or Non-teaching)

***Bachelor of Science in Education*** degrees require General Education, a major, a minor, Professional Education, and electives to equal a minimum of 128 semester hours.

***Bachelor of Arts*** degrees require General Education, a major, a minor, a foreign language, and electives to equal a minimum of 128 semester hours.

***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.

***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).

## DEPARTMENT OF SOCIAL SCIENCES

### **Bachelor of Science in Education Degree Composite Social Science Education**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Professional Secondary Education**

### **STUDENT LEARNING OUTCOMES**

Composite social science education graduates will:

1. Demonstrate intellectual flexibility and informed judgment in interpreting information garnered from a variety of social science perspectives. (This learning outcome directly addresses Institutional Learning Outcome I.)
2. Acquire a fundamental understanding of the technology and communication tools utilized in their selected social science disciplines. They will be able to communicate this understanding in written, verbal and symbolic form. (This learning outcome directly addresses Institutional Learning Outcome II.)
3. Develop an increased understanding of United States and world history and cultures and the diversity that they represent, as well as how cultural forces have shaped world environments and global citizenship. (This learning outcome directly addresses Institutional Learning Outcome III.)
4. Acquire a fundamental understanding of how aesthetics and aesthetic experience shape the interpretation of their disciplines. (This learning outcome directly addresses Institutional Learning Outcome IV.)
5. Interpret and integrate the vocabulary and methods of their respective social science disciplines. (This learning outcome directly addresses Institutional Learning Outcome V.)
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 Outcome VI.)
7. Demonstrate an understanding of fundamental content and concepts in four social science areas in addition to history (two from economics, geography and political science, as well as psychology and sociology). (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
8. Be able to organize, implement, and assess a comprehensive instructional program in social sciences education using effective planning and teaching methods. (This learning outcome directly addresses Institutional Learning Outcomes I, II III and V.)

### **COMPOSITE SOCIAL SCIENCE EDUCATION MAJOR COURSES**

#### **SECONDARY EDUCATION**

Students must complete the following History courses: ..... 21

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 385 – Modern America.....	3
HIST 440 – The World Since 1945 .....	3

Students must select **two** areas of study from the following:.. 24

#### **ECONOMICS:**

ECON 105 – Elements of Economics.....	3
ECON 106 – Global Economics .....	3
Economic Electives (300-400).....	6
Sub-Total .....	12

#### **GEOGRAPHY:**

GEOG 121 – Physical Geography .....	3
GEOG 161 – World Regional Geography .....	3
GEOG 262 – Geography of North America .....	3
Geography Electives (300-400) .....	3
Sub-Total .....	12

#### **POLITICAL SCIENCE:**

POLS 115 – American Government .....	3
POLS 330 – History of Political Thought.....	3
Political Science Electives (300-400) .....	6
Sub-Total .....	12

Students must complete the following two areas of study .... 24

#### **PSYCHOLOGY:**

PSYC 111 – Introduction to Psychology .....	3
PSYC 280 – Education of Exceptional Learners...	3
PSYC 353 – Adolescent Psychology .....	3
Psychology Electives (300-400) .....	3
Sub-Total.....	12

#### **SOCIOLOGY:**

SOC 110 – Introduction to Sociology.....	3
SOC 115 – Social Problems.....	3
Sociology Electives (300-400).....	6
Sub-Total.....	12

Students must complete the following: ..... 3

SEED 490D – Methods of Teaching Social Science.....	3
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**TOTAL SEMESTER HOURS..... 72**



## DEPARTMENT OF SOCIAL SCIENCES

### Bachelor of Arts Degree Composite Social Science

#### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Minor Courses

#### Foreign Language Requirement

#### Electives

**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. Demonstrate intellectual flexibility and informed judgment in interpreting information garnered from a variety of social science perspectives. (This learning outcome directly addresses Institutional Learning Outcome I.)
2. Acquire a fundamental understanding of the technology and communication tools utilized in their selected social science disciplines. They will be able to communicate this understanding in written, verbal and symbolic form. (This learning outcome directly addresses Institutional Learning Outcome II.)
3. Develop an increased understanding of world cultures and the diversity that they represent, and they will learn how cultural forces have shaped world environments and global citizenship. (This learning outcome directly addresses Institutional Learning Outcome III.)
4. Acquire a fundamental understanding of how aesthetics and aesthetic experience shape the interpretation of their disciplines. (This learning outcome directly addresses Institutional Learning Outcome IV.)
5. Interpret and integrate the vocabulary and methods of their respective social science disciplines. (This learning outcome directly addresses Institutional Learning Outcome V.)
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 Outcome VI.)

#### COMPOSITE SOCIAL SCIENCE MAJOR COURSES

ECON 201 - Principles of Microeconomics.....	3
ECON 202 - Principles of Macroeconomics .....	3
HIST 211 - World Civilizations to 1500.....	3

HIST 212 - World Civilizations since 1500.....	3
European and World History Electives (300-400).....	3
HIST 103 - United States to 1877 .....	3
HIST 104 - United States since 1877 .....	3
HIST 385 - Modern America.....	3
GEOG 121- Physical Geography .....	3
GEOG 161 - World Regional Geography 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
Select one course from the following.....	3
HIST 491 - History Seminar .....	3
SOC 491 - Sociology Seminar.....	3
POLS 491 - Political Science Seminar .....	3
Social Science Electives (300-400).....	6
<b>TOTAL SEMESTER HOURS.....</b>	<b>60</b>

#### 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:

1. Demonstrate intellectual flexibility and informed judgment in interpreting information garnered from a variety of social science perspectives. (This learning outcome directly addresses Institutional Learning Outcome I.)
2. Acquire a fundamental understanding of the technology and communication tools utilized in their selected social science disciplines. They will be able to communicate this understanding in written, verbal and symbolic form. (This learning outcome directly addresses Institutional Learning Outcome II.)
3. Develop an increased understanding of world cultures and the diversity that they represent, and they will learn how cultural forces have shaped world environments and global citizenship. (This learning outcome directly addresses Institutional Learning Outcome III.)
4. Acquire a fundamental understanding of how aesthetics and aesthetic experience shape the interpretation of their disciplines. (This learning outcome directly addresses Institutional Learning Outcome IV.)
5. Interpret and integrate the vocabulary and methods of their respective social science disciplines. (This learning outcome directly addresses Institutional Learning Outcome V.)

## DEPARTMENT OF SOCIAL SCIENCES

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 Outcome VI.)

Students must complete the following courses: .....45

POLS 115 – Introduction to American Government .	3
PSYC 111 – Introduction to Psychology .....	3
PSYC 370 – Abnormal Psychology.....	3
SOC 110 – Introduction to Sociology.....	3
SOC 115 – Social Problems.....	3
SOC 225 – The Criminal Justice System.....	3
SOC 320 – Deviant Behavior .....	3
SOC 385 – Criminology .....	3
SOC 253 – Juvenile Delinquency .....	3
SOC 351 – Corrections.....	3
Social Science Electives (Political Science, Sociology, or Psychology) (300-400).....	15

Students must complete **one** of the following courses: .....3

PSYC 250 – Developmental Psychology .....	3
PSYC 275 – Psychology of Adjustment.....	3

Students must complete **one** of the following courses: .....3

POLS 325 – Research Methods .....	3
SOC 325 – Research Methods .....	3
PSYC 345 – Research and Experience.....	3

Students must complete **one** of the following courses: .....6

POLS 497 – Political Science Internship.....	6
SOC 497 – Sociology Internship .....	6
PSYC 497 – Psychology Internship .....	6

**TOTAL SEMESTER HOURS.....57**

3. Have the basic skills to analyze and explain the inter-relations among cultures that have produced the contemporary social, political, cultural, and economic environment through a focused interdisciplinary study. (This learning outcome directly addresses Institutional Outcome I, IV, and V.)
4. Better appreciate the complex relationship between the United States and the world community, and the importance of global cooperation in times of crisis. (This learning outcome directly addresses Institutional Outcome I.)
5. Be better prepared to interpret the significance of past events on the present, and their implications toward the future, through the development of analytical and research skills, and their expression in the written word. (This learning outcome directly addresses Institutional Outcome V.)

### **HISTORY MAJOR COURSES**

HIST 211 - World Civilizations to 1500.....	3
HIST 212 - World Civilizations since 1500.....	3
HIST 103 - United States to 1877 .....	3
HIST 104 - United States since 1877 .....	3
HIST 385 - Modern America.....	3
HIST 491 - History Seminar.....	3
European History Electives (300-400) .....	3
Additional Electives in History (300-400) .....	11
<b>TOTAL SEMESTER HOURS.....</b>	<b>32</b>

### **Bachelor of Science in Education Degree History Education**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses**

#### **Professional Secondary Education**

### **STUDENT LEARNING OUTCOMES**

History education graduates will:

1. Have a general understanding of the diverse cultures, religious beliefs, and civilizations which have influenced the course of United States and world history. (This learning outcome directly addresses Institutional Outcome III.)
2. Appreciate global diversity as a positive force for change and growth in contemporary civilization. (This learning outcome directly addresses Institutional Outcome III.)
3. Have the basic skills to analyze and explain the inter-relations among cultures that have produced the contemporary social, political, cultural, and economic environment. (This learning outcome directly addresses Institutional Outcomes I, IV, and V.)
4. Better appreciate the complex responsibilities of the United States within the contemporary world. (This learning outcome directly addresses Institutional Outcome IV.)

### **Bachelor of Arts Degree History**

#### **Degree Requirements:**

#### **General Education Courses**

#### **Major Courses**

#### **Minor Courses**

#### **Foreign Language Requirement**

#### **Electives**

### **STUDENT LEARNING OUTCOMES**

The history graduate will:

1. Have a general understanding of the diverse cultures, religious beliefs, and civilizations which have influenced the course of world history. (This learning outcome directly addresses Institutional Outcome III.)
2. Appreciate global diversity as a positive force for change and growth in contemporary civilization. (This learning outcome directly addresses Institutional Outcome III.)

## DEPARTMENT OF SOCIAL SCIENCES

5. Acquire a fundamental understanding of the technology and communication tools utilized in history education. They will be able to communicate this understanding in written, verbal, and symbolic form. (This learning outcome directly addresses Institutional Learning Outcome II.)
6. Demonstrate an understanding of fundamental content and concepts in a second social science area (economics, geography, or political science). (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
7. Be able to organize, implement, and assess a comprehensive instructional program in history education using effective planning and teaching methods. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)

### HISTORY EDUCATION MAJOR COURSES

#### SECONDARY EDUCATION

Students must complete the following: .....	30
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 385 – Modern America.....	3
HIST 440 – The World since 1945.....	3
HIST 491 – History Seminar.....	3
History Electives (300-400).....	6

Students must select **one** of the following areas of study: .... 12

#### ECONOMICS:

ECON 105 – Elements of Economics .....	3
ECON 106 – Global Economics.....	3
Economic Electives (300-400).....	6
<b>Sub-Total .....</b>	<b>12</b>

#### GEOGRAPHY:

GEOG 121 – Physical Geography.....	3
GEOG 161 – World Regional Geography.....	3
GEOG 262 – Geography of North America.....	3
Geography Electives (300-400).....	3
<b>Sub-Total .....</b>	<b>12</b>

#### POLITICAL SCIENCE:

POLS 115 – American Government.....	3
POLS 330 – History of Political Thought.....	3
Political Science Electives (300-400).....	6
<b>Sub-Total... ..</b>	<b>12</b>

Students must complete the following course:.....3

SEED 490D – Methods of Teaching	3
Social Science.....	3

**TOTAL SEMESTER HOURS..... 45**

## 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 an understanding of the American government and political process. (This learning outcome directly addresses Institutional Learning Outcome V.)
2. Demonstrate an understanding of Political Theory and the philosophical basis of the study of politics. (This learning outcome directly addresses Institutional Learning Outcome V.)
3. Develop a working knowledge of research methodology of the Political Science field, including quantitative techniques, and integrate these techniques with their knowledge base into participation in meaningful research. (This learning outcome directly addresses Institutional Learning Outcome V.)
4. Demonstrate a global understanding of politics and the diverse cultural perspectives on politics and government, including the study of International Relations and Comparative Government. (This learning outcome directly addresses Institutional Learning Outcome III.)
5. Understand the impact of public policy on issues of public health and wellness, and on the promotion of artistic and aesthetic expression in America. (This learning outcome directly addresses Institutional Learning Outcomes IV and VI.)
6. Develop the knowledge base to engage in critical thinking about issues of politics and government. (This learning outcome directly addresses Institutional Learning Outcome I.)
7. Become acquainted with the most current informational resources in Political Science and the most familiar with new innovations in learning technology. (This learning outcome directly addresses Institutional Learning Outcome II.)

### POLITICAL SCIENCE MAJOR COURSES

POLS 115 - American Government.....	3
POLS 325 - Research Methods .....	3
POLS 330 - History of Political Thought.....	3
POLS 350 - International Politics.....	3
POLS 491 - Political Science Seminar.....	3
MATH 305 - Probability and Statistics .....	4
Electives in Political Science (300-400).....	15

**TOTAL SEMESTER Hours..... 34**

## DEPARTMENT OF SOCIAL SCIENCES

### **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 & 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 in International Relations.....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>37</b>

### **POLITICAL SCIENCE PRE-LAW**

#### **PROFESSIONAL OPTION**

HIST 103 – United States History to 1877.....	3
HIST 104 – United States History 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 .....	3
Political Science Elective (300-400).....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>37</b>

### **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, 255, 256, 257). 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 I.)
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 II.)
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 Outcome III.)
4. Demonstrate knowledge of social work as it relates to the arts and humanities. (This learning outcome directly addresses Institutional Learning Outcome IV.)
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 V.)
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 VI.)

### **SOCIAL WORK TRANSFER CURRICULUM**

#### **General Education Requirements - at DSU:**

ENGL 110 – College Composition I .....	3
ENGL 120 – College Composition II.....	3
COMM 110 – Fundamentals of Public Speaking.....	3
HIST 103 or HIST 104 – US History .....	3
PHIL 101 – Introduction to Philosophy.....	3
ENGL 220 – Introduction to Literature.....	3
HPER 100 – Concepts of Fitness and Wellness .....	2
MATH 103 – College Algebra.....	4
BIOL 111 – Concepts of Biology and Lab .....	4
PSYC 111 – Introduction to Psychology.....	3
SOC 110 – Introduction to Sociology .....	3

**Total General Education Credits .... 34**

#### **Extra-Departmental Requirements - at DSU:**

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

**Total Transfer Support Courses..... 21**

## DEPARTMENT OF SOCIAL SCIENCES

### **Social Work Courses - at DSU:**

50 hours volunteer community service recommended

SWK 255 - Social Work in the Modern Society.....	3
SWK 250 - Interpersonal Skills.....	3
SWK 256 - Development of Social Welfare.....	3
SWK 257 - Human Behavior in a Social Environment.....	3
<b>Total Transfer Social Work Courses..</b>	<b>12</b>

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.

### **Minors**

#### **SOCIAL SCIENCE EDUCATION MINOR**

##### **ELEMENTARY EDUCATION**

GEOG 121 - Physical Geography .....	3
HIST 211 - World Civilizations to 1500.....	3
HIST 103 - United States to 1877 .....	3
POLS 115 - American Government.....	3
SOC 110 - Introduction to Sociology .....	3
Social Science Electives from the following:.....	9
GEOG 161 - World Regional Geography.....	3
GEOG 262 - Geography of North America.....	3
HIST 212 - World Civilizations since 1500.....	3
HIST 104 - United States since 1877 .....	3
SOC 115 - Social Problems.....	3
Political Science Electives (300-400).....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

#### **GEOGRAPHY EDUCATION MINOR**

##### **SECONDARY EDUCATION**

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
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

### **GEOGRAPHY MINOR**

#### **ELEMENTARY EDUCATION OR NON-TEACHING**

GEOG 121 - Physical Geography .....	3
GEOG 161 - World Regional Geography.....	3
GEOG 262 - Geography North America.....	3
Geography Electives (300-400).....	15
<b>TOTAL SEMESTER HOURS .....</b>	<b>24</b>

### **HISTORY EDUCATION MINOR**

#### **SECONDARY EDUCATION**

HIST 211 - World Civilizations to 1500.....	3
HIST 212 - World Civilizations since 1500.....	3
HIST 103 - United States to 1877 .....	3
HIST 104 - United States since 1877 .....	3
HIST 385 - Modern America.....	3
HIST 440 - The World Since 1945 .....	3
HIST 491 - History Seminar.....	3
SEED 490D - Methods of Teaching Social Science.....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

### **HISTORY MINOR**

#### **ELEMENTARY EDUCATION OR NON-TEACHING**

HIST 211 - World Civilizations to 1500.....	3
HIST 212 - World Civilizations since 1500.....	3
HIST 103 - United States to 1877 .....	3
HIST 104 - United States since 1877 .....	3
HIST 385 - Modern America.....	3
HIST 440 - The World Since 1945 .....	3
HIST 491 - History Seminar.....	3
Additional Electives in History (300-400) .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

### **POLITICAL SCIENCE EDUCATION MINOR**

#### **SECONDARY EDUCATION**

POLS 115 - American Government.....	3
POLS 325 - Research Methods .....	3
POLS 330 - Political Thought .....	3
POLS 350 - International Politics.....	3
POLS 491 - Political Science Seminar .....	3
SEED 490D - Methods of Teaching Social Science.....	3
Political Science Electives (300-400).....	6
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>



## DEPARTMENT OF SOCIAL SCIENCES

### **POLITICAL SCIENCE MINOR**

#### **ELEMENTARY EDUCATION OR NON-TEACHING**

POLS 115 - American Government.....	3
POLS 325 - Research Methods .....	3
POLS 330 - Political Thought .....	3
POLS 350 - International Politics.....	3
POLS 491 - Political Science Seminar .....	3
Political Science Electives (300-400) .....	9
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

### **SOCIOLOGY MINOR**

#### **ELEMENTARY EDUCATION OR NON-TEACHING**

SOC 110 - Introduction to Sociology .....	3
SOC 115 - Social Problems .....	3
SOC 325 - Research Methods .....	3
SOC 491 - Sociology Seminar .....	3
Sociology Electives (300-400) .....	12
<b>TOTAL SEMESTER HOURS .....</b>	<b>24</b>

### **SOCIOLOGY EDUCATION MINOR**

#### **SECONDARY EDUCATION**

SOC 110 - Introduction to Sociology .....	3
SOC 115 - Social Problems .....	3
SOC 325 - Research Methods .....	3
SOC 491 - Sociology Seminar .....	3
SEED 490D - Methods of Teaching Social Science.....	3
Sociology Electives (300-400) .....	9
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>



## **COLLEGE OF EDUCATION, BUSINESS, AND APPLIED SCIENCES**



**Dr. Doug LaPlante, Dean**

- **Department of Agriculture and Technical Studies**
- **Department of Business and Management**
- **Department of Health and Physical Education**
- **Department of Nursing**
- **Department of Teacher Education**



## DEPARTMENT OF AGRICULTURE AND TECHNICAL STUDIES



### **FACULTY**

Full-time Faculty: Poland – Chair, Brevik, King, Obrigewitch, Soman, Stroh

### **MAJORS, MINORS, AND CERTIFICATE PROGRAM**

#### **MAJORS**

Bachelor of Science in Agricultural Studies

Options:

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

Associate in Science Degree in  
Agriculture Sales and Service

Options:

- Agriculture Business Management
- Equine Management
- Equine Training
- Technology in Agriculture

#### **MINORS**

- Equine
- Geographic Information Systems
- Soils

#### **CERTIFICATE PROGRAM**

- Farm and Ranch Management

# DEPARTMENT OF AGRICULTURE AND TECHNICAL STUDIES

## Bachelor of Science Degree in Agricultural Studies

### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Option(s) Courses

#### Electives

### STUDENT LEARNING OUTCOMES

Agriculture Studies graduates will be able to demonstrate a/an:

1. Range of concepts and methods useful in agri-business decision-making in at least one of seven areas of specialization: Business/Marketing, Integrated Farm Management, Integrated Ranch Management, Natural Resource Management, Range Management, Soil Science, and Equine. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and V.)
2. Mastery of problem solving and effective communication skills to face challenges encountered in professional careers. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
3. In-depth understanding of a specific issue facing agriculture demonstrated by the completion of their capstone experience. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, V, and VI.)
4. Basic proficiency in specific approved practices in modern agriculture. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
5. Basic proficiency in the use of financial and GIS computer software. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
6. Basic knowledge of specific livestock and farm production practices of the Northern Great Plains. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and V.)
7. Proper and effective use of both oral and written communication skills. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and III.)

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

MATH 103 – College Algebra or equivalent.....	4
ECON 201 – Principles of Microeconomics .....	3

### AGRICULTURE STUDIES MAJOR COURSES

PLSC 110 – World Food Crops .....	3
ANSC 123 – Feeds and Feeding .....	3
Select <b>one</b> course from the following.....	3
CSCI 200 – Database Software Applications ....	3
BOTE 247 – Spreadsheet Applications .....	3
SOIL 210 – Introduction to Soil Science.....	4
PLSC 225 – Principles of Crop Production.....	3
H&CE 241 – Leadership & Presentation Techniques .....	3

Select <b>one</b> course from the following.....	3
AGRI 280 – Technology in Agriculture .....	3
GIS 380 – Applied Arc GIS.....	3
AGEC 244 – Introduction to Agricultural Marketing .....	3
AGEC 342 – Introduction to Agriculture Management .....	3
AGEC 375 – Applied Agricultural Law * .....	3
MATH 305 – Probability and Statistics.....	4
Select <b>one</b> course from the following.....	3
COMM 317 – Organizational Communication..	3
COMM 312 – Interpersonal Communication.....	3
Select <b>one</b> course from the following.....	1
AGRI 491 – Agriculture Seminar .....	1
RNG 491 – Range Seminar .....	1
Upper Division Agriculture Electives*** .....	5
<b>TOTAL SEMESTER HOURS.....</b>	<b>44</b>

### OPTION

Students must select and complete at least one option (Business/Marketing, 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

Select <b>one</b> course from the following.....	3
AGEC 142 – Agricultural Accounting .....	3
ACCT 200 – Elements of Accounting I.....	3
ECON 202 – Principles of Macroeconomics .....	3
BADM 346 – Human Resource Management.....	3
Select <b>one</b> course from the following.....	3
VETS 339 – Animal Health.....	3
SOIL 322 – Soil Fertility and Fertilizers .....	3
AGEC 387 – Commodity Futures and Options.....	3
MATH 146 – Applied Calculus .....	3
BADM 360 – Real Estate Principles .....	3
BADM 369 – Business Ethics and Critical Thinking.....	3
BOTE 210 – Business Communication.....	3
AGEC 246 – Introduction to Agricultural Finance .....	3
AGRI 297 – Agriculture Management Internship .....	2
Select <b>one</b> course from the following.....	3
SOIL 321 – Soil Management and Conservation 3	3
RNG 458 – Rangeland Ecology .....	3
BADM 455 – International Business .....	3
AGEC 374 – Cooperatives* .....	3
AGRI 499 – Special Topics .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>42</b>

### INTEGRATED FARM

#### MANAGEMENT OPTION

AGEC 142 – Agricultural Accounting .....	3
AGEC 246 – Introduction to Agricultural Finance .....	3
AGEC 387 – Commodity Futures and Options.....	3
ANSC 114 – Introduction to Animal Sciences .....	3
ANSC 220 – Livestock Production .....	3
RNG 236 – Rangeland Vegetation and Communities .....	3
RNG 336 – Introduction to Range Management.....	3

## DEPARTMENT OF AGRICULTURE AND TECHNICAL STUDIES

RNG 458 – Rangeland Ecology .....	3
PLSC 235 – Field Scouting Techniques .....	2
PLSC 323 – Principles of Weed Science .....	3
PLSC 486 – Forages and Forage Systems.....	3
SOIL 321 – Soil Management and Conservation .....	3
SOIL 322 – Soil Fertility and Fertilizers .....	3
SOIL 350 – Soil Health and Productivity.....	3
AGRI 499 – Special Topics .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>42</b>

### INTEGRATED RANCH MANAGEMENT OPTION

AGEC 142 – Agricultural Accounting .....	3
ANSC 114 – Introduction to Animal Sciences .....	3
ANSC 220 – Livestock Production .....	3
RNG 236 – Rangeland Vegetation and Communities .....	3
AGEC 246 – Introduction to Agricultural Finance .....	3
RNG 336 – Introduction to Range Management.....	3
VETS 339 – Animal Health.....	3
AGEC 387 – Commodity Futures and Options.....	3
ANSC 445 – Problems in Livestock Management .....	2
ANSC 420 – Animal Genetics and Applied Animal Breeding ..	3
RNG 458 – Rangeland Ecology .....	3
ANSC 463 – Physiology of Reproduction* .....	4
ANSC 470 – Applied Ruminant Nutrition .....	3
PLSC 486 – Forages and Forage Systems.....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>42</b>

### NATURAL RESOURCE MANAGEMENT OPTION

SOIL 321 – Soil Management and Conservation .....	3
SOIL 322 – Soil Fertility and Fertilizers .....	3
RNG 236 – Rangeland Vegetation and Communities .....	3
RNG 336 – Introduction to Range Management.....	3
RNG 458 – Rangeland Ecology .....	3
BIOL 300 – Environmental Biology .....	3
BIOL 154, 154L – Introduction to Botany and Lab .....	4
CHEM 121, 121L – General Chemistry I and Lab.....	5
CHEM 122, 122L – General Chemistry II and Lab .....	5
GEOL 105, 105L – Physical Geology and Lab .....	4
PLSC 323 – Principles of Weed Science .....	3
PLSC 486 – Forages and Forage Systems.....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>42</b>

### RANGE MANAGEMENT OPTION

CHEM 121/121L – General Chemistry & Lab.....	5
BIOL 154/154L – Introduction to Botany & Lab.....	4
GEOL 105/105L – Physical Geology & Lab.....	4
BIOL 250 – Wildlife Management .....	3
RNG 236 – Rangeland Vegetation & Communities.....	3
SOIL 321 – Soil Management & Conservation.....	3
RNG 336 – Introduction to Range Management.....	3
PLSC 323 – Principles of Weed Science .....	3
RNG 458 – Rangeland Ecology .....	3
RNG 456 – Range Habitat Management* .....	3
PLSC 486 – Forages and Forage Systems.....	3
RNG 480 – Conflict Resolution in Agriculture .....	1

RNG 436 – 12 Month Livestock-Pasture-Forage Management Planning .....	1
RNG 453 – Rangeland Resources Watershed Management*.	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>42</b>

### SOIL SCIENCE OPTION

CHEM 121 – General Chemistry .....	4
CHEM 121L – General Chemistry Lab .....	1
CHEM 122 – General Chemistry II .....	4
CHEM 122L – General Chemistry II Lab .....	1
GEOL 105 – Physical Geology .....	3
GEOL 105L – Physical Geology Lab.....	1
GEOL 311 – Process Geomorphology .....	4
GEOL 320 – Hydrogeology.....	3
Select one course from the following.....	3
GIS 470 – Remote Sensing.....	3
GIS 480- GPS/GIS .....	3
PHYS 211 – College Physics I .....	3
PHYS 211L – College Physics I Lab.....	1
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
Upper Division Agriculture Electives .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>42</b>

### EQUINE OPTION

Select <b>six</b> credit hours from among the following.....	6
AGEC 142 – Agriculture Accounting.....	3
AGEC 246 – Introduction to Agricultural Finance .....	3
ANSC 161 – Equine Business Management† ...	2
ANSC 162 – Equine Reproduction† .....	2
ANSC 262 – Equine Anatomy and Selection† ..	2
ANSC 263 – Stallion Management† .....	2
ANSC 160 – Equine Nutrition† .....	2
Select <b>one</b> of the following: .....	2-3
ANSC 163 – Equine Health & Diseases† .....	2
VETS 339 – Animal Health.....	3
ANSC 164 – Equine Behavior, Groundwork, and Safety† .....	2
ANSC 260 – Introduction to Equine Studies .....	3
ANSC 261 – Basic Equitation & Horsemanship .....	2
ANSC 265 – Equine Marketing† .....	2
ANSC 268 – Basic Colt Training .....	3
ANSC 368 – Advanced Colt Training .....	3



# DEPARTMENT OF AGRICULTURE AND TECHNICAL STUDIES

ANSC 420 – Animal Genetics and Applied Animal Breeding ...	3
ANSC 463 – Physiology of Reproduction* .....	4
ANSC 466 – Advanced Equine Nutrition .....	3
BOTE 210 – Business Communication.....	3
PLSC 486 – Forage and Forage Systems .....	3
AGRI 499 – Special Topics .....	1
<b>TOTAL SEMESTER HOURS....</b>	<b>42-43</b>

\*These courses are offered in alternating spring semesters on a contractual basis with North Dakota State University through interactive video network (IVN).

\*\*AGRI 491 and RNG 491 – Seminars will be capstone experiences, consisting of an independent study with a public presentation and professional paper requirement.

Students will be required to earn five elective credits from upper division courses in Agriculture, Business, GIS, or Natural Sciences. Upper division electives must be approved by departmental chair.

†Online class format only. Additional fees apply for online delivery.

## Associate in Science Degree Agriculture Sales and Service

<b>Degree Requirements:</b>
<b>General Education Courses</b>
<b>Major Courses</b>
<b>Option(s) Courses</b>

### STUDENT LEARNING OUTCOMES

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

1. Basic proficiency in a wide range of specific approved practices in Agriculture Business Management, Equine Management, Equine Training or Technology in Agriculture. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
2. Basic proficiency in the use of financial and GIS computer software. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
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 I, II, V, and VI.)
4. Ability to develop and use the newest marketing and management tools to make both more effective marketing and management decisions. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
5. Basic understanding of specific livestock and farm production practices of the Northern Great Plains. (This learning outcome directly addresses Institutional Learning Outcomes I, III, and V.)

### GENERAL EDUCATION REQUIREMENTS

Group I – Communication and Technology .....	12
Group II – Natural Sciences .....	7
Group III – Expressions of Human Civilization.....	9
Group IV – Understanding Human Civilization.....	9
Group V – Multi-Cultural Studies selected from Groups III & IV	
Group VI – Health and Wellness .....	2

**GENERAL EDUCATION TOTAL  
SEMESTER HOURS..... 39**

### AGRICULTURAL SALES AND SERVICES MAJOR CORE COURSES

ANSC 114 – Introduction to Animal Science.....	3
BOTE 247 – Spreadsheet Applications .....	3
AGEC 244 – Introduction to Agricultural Marketing .....	3
<b>MAJOR CORE TOTAL SEMESTER HOURS.....</b>	<b>9</b>

### OPTIONS

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

The on-line Equine Option courses will have substantial attached fees. See the Department of Agriculture and Technical Studies for more information.

### AGRICULTURE BUSINESS MANAGEMENT OPTION

PLSC 110 – World Food Crops .....	3
ANSC 123 – Feeds and Feeding .....	3
SOIL 210 – Introduction to Soil Science.....	4
AGEC 246 – Introduction to Agricultural Finance .....	3
AGRI 297 – Agriculture Management Internship†† .....	2
Select <b>one</b> course from the following.....	2
VETS 339 – Animal Health .....	3
PLSC 225 – Principles of Crop Production .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>18</b>

### EQUINE MANAGEMENT OPTION

ANSC 160 – Equine Nutrition† .....	2
ANSC 161 – Equine Business Management† .....	2
ANSC 162 – Equine Reproduction† .....	2
ANSC 163 – Equine Health and Diseases† .....	2
ANSC 164 – Equine Behavior, Ground Work, and Safety†....	2
ANSC 262 – Equine Anatomy & Selection† .....	2
ANSC 263 – Stallion Management† .....	2
ANSC 270 – Equine Training Theory I† .....	2
ANSC 271 – Equine Training Theory II† .....	2
Select <b>one</b> course from the following:.....	2
ANSC 265 – Equine Marketing† .....	2
ANSC 267 – Equine Facility Management† .....	2
<b>TOTAL SEMESTER HOURS.....</b>	<b>20</b>

# DEPARTMENT OF AGRICULTURE AND TECHNICAL STUDIES

## **EQUINE TRAINING OPTION**

ANSC 160 – Equine Nutrition† .....	2
ANSC 161 – Equine Business Management† .....	2
ANSC 163 – Equine Health and Diseases† .....	2
ANSC 164 – Equine Behavior, Ground Work and Safety† .....	2
ANSC 262 – Equine Anatomy & 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
<b>TOTAL SEMESTER HOURS.....</b>	<b>20</b>

## **TECHNOLOGY IN AGRICULTURE OPTION**

CSCI 200 – Database Applications .....	3
H&CE 241 – Leadership and Presentation Technology .....	3
AGRI 280 – Computers in Agriculture .....	3
AGRI 297 – Agriculture Management Internship†† .....	2
RNG 236 – Rangeland Vegetation and Communities .....	3
RNG 336 – Introduction to Range Management.....	3
GIS 380 – Applied Arc GIS.....	3

**OPTION TOTAL  
SEMESTER HOURS.....20**

**AGRICULTURAL SALES AND SERVICES  
MAJOR TOTAL SEMESTER HOURS.....27-29**

†Online class format only. Additional fees apply for online delivery.

††AGRI 297 – Agricultural Management Internship must be taken prior to receiving a degree with this option.

ANSC 420 – Animal Genetics and Applied Animal Breeding††† .....	3
ANSC 466 – Advanced Equine Nutrition††† .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>24-28</b>

## **GEOGRAPHICAL INFORMATION SYSTEMS (GIS) MINOR**

CSCI 120 – Introduction to Computer Programming .....	4
CSCI 200 – Database Software Applications .....	3
GEOG 271 – Map Use and Interpretation .....	1
GIS 210 – Applied GIS.....	2
GIS 380 – Applied ArcGIS.....	3
GIS 480 – GPS/GIS II .....	3
GIS 470 – Remote Sensing.....	3
Select a <b>minimum of seven</b> credit hours from the following.7	
GEOG 121 Physical Geography.....	3
GEOL 311 – Process Geomorphology .....	4
CSCI 160 – Computer Science I .....	4
CSCI 360 – Database management .....	4
<b>TOTAL SEMESTER HOURS.....</b>	<b>26</b>

## **SOILS MINOR**

GEOL 105 – Physical Geology .....	3
GEOL 105L – Physical Geology Lab.....	1
SOIL 210 – Introduction to Soil Science.....	4
GEOL 311 – Process Geomorphology .....	4
SOIL 321 – Soil Management & Conservation.....	3
SOIL 322 – Soil Fertility & Fertilizers.....	3
SOIL 350 – Soil Health & Productivity .....	3
SOIL 444 – Soil Genesis and Survey .....	4
<b>TOTAL SEMESTER HOURS.....</b>	<b>25</b>

†Online class format only. Additional fees apply for online delivery.

††Offered in both traditional and online formats. Additional fees related to online format only.

## Minors

### **EQUINE MINOR**

Select <b>one</b> course from the following:.....	2-3
ANSC 123 – Feeds & Feeding .....	3
ANSC 160 – Equine Nutrition† .....	2
Select <b>six</b> courses from the following: .....	12-13
ANSC 161 – Equine Business Management† .....	2
ANSC 162 – Equine Reproduction† .....	2
ANSC 163 – Equine Health & Diseases† .....	2
ANSC 164 – Equine Behavior, Ground Work and Safety† .....	2
ANSC 260 – Introduction to Equine Studies .....	3
ANSC 261 – Basic Equitation & Horsemanship.....	2
ANSC 361 – Intermediate Horsemanship .....	2
ANSC 263 – Stallion Management† .....	2
ANSC 265 – Equine Marketing† .....	2
ANSC 267 – Equine Facility Management† .....	2
Select <b>one pair</b> of courses from the following:.....	4-6
ANSC 270 & ANSC 271 – Equine Training Theory I† & II† .....	4
ANSC 272 & ANSC 273 – Equine Training Techniques I† & II† .....	4
ANSC 268 & ANSC 368 – Basic Colt Training & Adv. Colt Training .....	6





# DEPARTMENT OF AGRICULTURE AND TECHNICAL STUDIES

## 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 agriculture 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:

1. 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, and V.)
2. Basic proficiency in a wide range of specific approved practices in production agriculture. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Basic proficiency in the use of financial and precision farming computer software. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
4. Be able to develop and use the newest marketing and management tools to make both more effective marketing and management decisions. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
5. Basic proficiency in using both arc & wire welders in all positions. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)

### FARM AND RANCH MANAGEMENT MAJOR COURSES

AGEC 142 – Agricultural Accounting .....	3
AGEC 244 – Introduction to Agricultural Marketing .....	3
AGRI 115 – Agricultural Math.....	2
AGRI 280 – Computers in Agriculture .....	3
ANSC 220 – Livestock Production .....	3
ASM 155 – Agricultural Welding .....	3
H&CE 241 – Leadership and Presentation Techniques.....	3
PLSC 110 – World Food Crops .....	3
SOIL 210 – Introduction to Soil Science.....	4
Electives .....	6
AGRI 297 – Agricultural Management Internship.....	2
The student must register for two semester hours of internship, preferably during the summer after their first year.	
<b>TOTAL SEMESTER HOURS.....</b>	<b>35</b>

### PRE-PROFESSIONAL STUDIES (AGRICULTURE TRANSFER)

With the “Memorandum of Understanding” for dual admission and the “articulation” of agriculture courses transfer credits between institutions, students can take their first two years of agriculture 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.

### RECOMMENDED AGRICULTURE TRANSFER CURRICULUM

#### GENERAL EDUCATION COURSES

Written and Oral Communication .....	9-12
Math – College Algebra and/or Statistics .....	3-6
Science – Biology and/or Chemistry .....	4-9
Social Behavior/Science and Humanities .....	9-12
Physical Education/Wellness .....	2

**TOTAL SEMESTER HOURS....27-41**

#### CORE AGRICULTURE COURSES

H&CE 241– Leadership and Presentation Techniques .....	3
ANSC 114 – Introduction to Animal Science or PLSC 110 – World Food Crops .....	3
ANSC 123 – Feeds and Feeding or SOIL 210 – Introduction to Soil Science .....	3-4
PLSC 225 – Principles of Crop Production or VETS 339 – Animal Health .....	3
RNG 236 – Rangeland Vegetation and Communities .....	3
RNG 336 – Introduction to Range Management.....	3
GIS 380 – Applied Arc GIS.....	3

**TOTAL SEMESTER HOURS....21-22**

It is recommended that students choose additional agriculture courses from the Department of Agriculture and Technical Studies to support their career plans.

Additional agriculture courses recommended .....	9-13
<b>TOTAL TRANSFER SEMESTER HOURS.....</b>	<b>57-76</b>

## DEPARTMENT OF BUSINESS AND MANAGEMENT



### **FACULTY**

Full-time Faculty: Kilwein – Chair, Barnes, Bowen, Butz, Conrick, Dragseth, Hanson, Hauf, Heth, Misek, Stark, Swensen, Voutsas

### **MAJORS, MINORS, AND CERTIFICATES**

#### **MAJORS**

Bachelor of Science in Accounting

Minors in Accounting:

Forensic Accounting

Bachelor of Science in Business Administration

Minors in Business Administration:

Accounting

Agri-Business

Banking and Finance

Entrepreneurship

Human Resource Management

International Business

Management

Management Information Systems

Manufacturing Technology

Marketing

Office Administration

Bachelor of Arts in Business Administration

Bachelor of Science in Finance

Bachelor of Science in Human Resource Management

Bachelor of Science in International Business

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

Associate in Applied Science in Office Administration

Concentration Areas:

Accounting

Agri-Business

Computer Science

Graphic Design

Legal

Management

Medical

#### **MINORS for Non-Business Majors**

Accounting

Business Administration

Business Education (Secondary Education)

Entrepreneurship

#### **CERTIFICATES**

Entrepreneurship

Entrepreneurial Leadership

General Business

Human Resource Management



# **DEPARTMENT OF BUSINESS AND MANAGEMENT**

## **Bachelor of Science Degree Accounting**

### **Degree Requirements:**

#### **General Education Courses**

#### **Pre-Major Courses**

#### **Accounting Major Courses:**

#### **Business Core Courses**

#### **Accounting Core Courses**

#### **Electives**

A cumulative GPA of 2.25 or higher is required for graduation

### **STUDENT LEARNING OUTCOMES**

The undergraduate program in Accounting will enable students to:

1. Apply the knowledge and demonstrate an understanding of accounting, including financial and managerial accounting with a clear understanding of financial statements as well as cost concepts and international accounting (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
2. Apply the knowledge and demonstrate an understanding of economics, including basic economic concepts, microeconomics, macroeconomics, and international economics (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
3. Apply the knowledge and demonstrate an understanding of management, including the management process, organizational behavior, strategy, policy, international and cross-cultural management, and entrepreneurship (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
4. Apply the knowledge and demonstrate an understanding of quantitative business analysis, including probability, statistics, and management science (this learning outcome directly addresses Institutional Learning Outcomes I and V).
5. Apply the knowledge and demonstrate an understanding of information systems, including information systems in business and society, information technology concepts, business information systems, and systems development (this learning outcome directly addresses Institutional Learning Outcomes I, II, and V).
6. Apply the knowledge and demonstrate an understanding of finance, including corporate finance, investments, and international finance (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
7. Apply the knowledge and demonstrate an understanding of marketing, including identifying attractive markets, marketing institutions, and international marketing (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
8. Apply the knowledge and demonstrate an understanding

of the legal and social environment, including the legal environment, regulatory environment, business relationships, ethics, and social responsibility (this learning outcome directly addresses Institutional Learning Outcomes I and V).

9. Apply the knowledge and demonstrate an understanding of the international issues in relationship to all areas of business (this learning outcome directly addresses Institutional Learning Outcomes I and III).
10. Apply the conceptual framework of financial accounting and reporting in business situations (this learning outcome directly addresses Institutional Learning Outcomes I and V).
11. Demonstrate an understanding of the various costing systems and the role cost plays in decision-making (this learning outcome directly addresses Institutional Learning Outcomes I and V).
12. Demonstrate an understanding of the international dimensions of accounting and the business environment (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
13. Demonstrate an understanding of the federal tax laws and their application to both individuals and business entities. Demonstrate an understanding of auditing theories, standards, and procedures. (This learning outcome directly addresses Institutional Learning Outcomes I and V).

### **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 Examination (CFE), Certified Internal Auditor (CIA), and 128 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.

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

(Requires a "C" or better in each course)

Comm 216 – Intercultural Communication.....	3
ECON 201 – Principles of Microeconomics .....	3
ENGL 110 or ENGL 111H* .....	3
ENGL 120 or ENGL 121H* .....	3
MATH 146 – Applied Calculus .....	3
MATH 305 – Probability and Statistics.....	4

**GENERAL EDUCATION TOTAL  
SEMESTER HOURS ..... 19**

# DEPARTMENT OF BUSINESS AND MANAGEMENT

\*For TR Scholars

## **PRE- MAJOR COURSES (Requires a “C” or better in each course)**

ACCT 200 – Elements of Accounting I.....	3
ACCT 201 – Elements of Accounting II .....	3
BOTE 210 – Business Communication.....	3
BOTE 247 – Spreadsheet Applications .....	3
ECON 202 – Principles of Macroeconomics .....	3

**PRE-MAJOR TOTAL SEMESTER HOURS ..... 15**

## **ACCOUNTING MAJOR COURSES:**

### **BUSINESS CORE**

(Listed above are General Education Courses and the Pre-Major Courses that Requires a “C” or better 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

**BUSINESS CORE TOTAL SEMESTER HOURS ..... 34**

### **ACCOUNTING CORE**

ACCT 301 – Computerized Accounting .....	3
ACCT 305 – Cost Accounting .....	3
ACCT 310 – Government & Nonprofit Accounting .....	3
ACCT 316 – Business Law II.....	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 420 – Accounting Information Systems.....	3

**ACCOUNTING CORE TOTAL SEMESTER HOURS ..... 34**

**ACCOUNTING MAJOR TOTAL SEMESTER HOURS ..... 68**

### **RECOMMENDED ACCOUNTING ELECTIVES**

(To meet the 150 hour requirement to sit for the CPA Exam)

ACCT 334 – Income Tax II.....	3
ACCT 351 – Fraud Examination.....	3
ACCT 408 – CPA Review – Regulation.....	3
ACCT 409 – CPA Review –Financial Accounting and Reporting .....	3
ACCT 410 – CPA Review – Audit .....	3
ACCT 411 – CPA Review – Business Environment and Concepts .....	3
ACCT 412 – Audit II.....	3
ACCT 497 – Accounting Internship.....	3

### **OPTIONAL MINOR IN FORENSIC**

#### **ACCOUNTING (Restricted to accounting majors)**

(These credits can be used to meet the 150 hour requirement to sit for the CPA Exam)

ACCT 334 – Income Tax II.....	3
ACCT 351 – Fraud Examination.....	3
ACCT 365 – White Collar Crime .....	3
ACCT 412 – Audit II.....	3
ACCT 421 – Forensic Accounting .....	3
ACCT 422 – Business Valuation.....	3
ACCT 497 – Accounting Internship.....	3
SOC 225 – Criminal Justice System .....	3
SOC 385 – Criminology.....	3

Required as part of General Education

PSYC 111 – Introduction to Psychology.....	3
SOC 110 – Introduction to Sociology .....	3

**FORENSIC ACCOUNTING MINOR TOTAL SEMESTER HOURS ..... 33**

## **Bachelor of Science Degree Business Administration**

### **Degree Requirements:**

**General Education Courses**

**Pre-Major Courses**

**Business Administration Major Courses:**

**Business Core Courses**

**Minor Courses**

**Electives**

A cumulative GPA of 2.25 or higher is required for graduation

### **STUDENT LEARNING OUTCOMES**

The undergraduate program in Business Administration will enable students to:

1. Apply the knowledge and demonstrate an understanding of accounting, including financial and managerial accounting with a clear understanding of financial statements as well as cost concepts and international accounting (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
2. Apply the knowledge and demonstrate an understanding of economics, including basic economic concepts, microeconomics, macroeconomics, and international economics (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
3. Apply the knowledge and demonstrate an understanding of management, including the management process, organizational behavior, strategy, policy, international and cross-cultural management, and entrepreneurship (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
4. Apply the knowledge and demonstrate an understanding of quantitative business analysis, including probability,

# DEPARTMENT OF BUSINESS AND MANAGEMENT

statistics, and management science (this learning outcome directly addresses Institutional Learning Outcomes I and V).

5. Apply the knowledge and demonstrate an understanding of information systems, including information systems in business and society, information technology concepts, business information systems, and systems development (this learning outcome directly addresses Institutional Learning Outcomes I, II, and V).
6. Apply the knowledge and demonstrate an understanding of finance, including corporate finance, investments, and international finance (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
7. Apply the knowledge and demonstrate an understanding of marketing, including identifying attractive markets, marketing institutions, and international marketing (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
8. Apply the knowledge and demonstrate an understanding of the legal and social environment, including the legal environment, regulatory environment, business relationships, ethics, and social responsibility (this learning outcome directly addresses Institutional Learning Outcomes I and V).
9. Apply the knowledge and demonstrate an understanding of the international issues in relationship to all areas of business (this learning outcome directly addresses Institutional Learning Outcomes I and III).
10. Demonstrate an understanding of the fundamental concepts and tools of the management process in regards to history, theory, the functions of management, group and team dynamics, and total quality management (this learning outcome directly addresses Institutional Learning Outcomes I, II, and V).
11. Demonstrate an understanding of the fundamental concepts of organizational behavior in regards to leadership and motivation, communication, managing diversity, and human resource management (this learning outcome directly addresses Institutional Learning Outcomes I, II, and V).
12. Demonstrate an understanding of the international dimensions of international and cross cultural management (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).

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

(Requires a “C” or better in each course)

COMM 216 – Intercultural Communication .....	3
ECON 201 – Principles of Microeconomics .....	3
ENGL 110 or ENGL 111H* .....	3
ENGL 120 or ENGL 121H* .....	3
MATH 146 – Applied Calculus .....	3
MATH 305 – Probability and Statistics .....	4

**GENERAL EDUCATION TOTAL  
SEMESTER HOURS ..... 19**

\*For TR Scholars

## **PRE-MAJOR COURSES**

(Must have a “C” or better in each course)

ACCT 200 – Elements of Accounting I.....	3
ACCT 201 – Elements of Accounting II .....	3
BOTE 210 – Business Communication .....	3
BOTE 247 – Spreadsheet Applications .....	3
ECON 202 – Principles of Macroeconomics .....	3

**PRE-MAJOR TOTAL SEMESTER  
HOURS ..... 15**

## **BACHELOR OF SCIENCE BUSINESS**

### **ADMINISTRATION MAJOR COURSES:**

#### **BUSINESS CORE**

(General Education courses and the Pre-Major courses listed above require a “C” or better 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

**BUSINESS CORE TOTAL  
SEMESTER HOURS ..... 34**

## **MINORS IN BUSINESS ADMINISTRATION**

*(One of the following minors is required)*

Students majoring in Business Administration must complete one of the following minors. Students majoring in other subject areas may complete these minors with the approval of student’s advisor and department chair of Business and Management.

#### **ACCOUNTING**

ACCT 301 – Computerized Accounting .....	3
ACCT 305 – Cost Accounting.....	3
ACCT 331 – Intermediate Accounting I.....	4
ACCT 332 – Intermediate Accounting II .....	4
ACCT 333 – Income Tax I .....	4
Select a minimum of <b>six</b> credit hours from the following... 6-7	
ACCT 310 – Government and Non-Profit Accounting.....	3
ACCT 316 – Business Law II.....	3
ACCT 334 – Income Tax II .....	3
ACCT 351 – Fraud Examination.....	3
ACCT 406 – Advanced Accounting .....	3
ACCT 407 – Auditing.....	4
BADM 497 – Business Internship.....	3

## DEPARTMENT OF BUSINESS AND MANAGEMENT

Or other course(s) with prior approval from advisor or department chair

**ACCOUNTING MINOR TOTAL**  
**SEMESTER HOURS .....24-25**

### AGRI-BUSINESS

AGEC 244 – Introduction to Agricultural Marketing .....	3
AGEC 246 – Introduction to Agricultural Finance .....	3
AGEC 342 – Introduction to Agriculture Management .....	3
RNG 480 – Conflict of Resolution in Agriculture.....	1
H&CE 241 – Leadership & Presentation Techniques .....	3
Select a minimum of <b>nine</b> credit hours from the following.....	9-10
AGEC 387 – Commodity Futures & Options ....	3
BADM 330 – Business Challenge.....	3
BADM 497 – Business Internship.....	3
RNG 336 – Introduction to Range Management	3
SOIL 210 – Introduction to Soil Science .....	4
SOIL 321 – Soil Management and Conservation	3
SOIL 322 – Soil Fertility and Fertilizers .....	3

**AGRI-BUSINESS MINOR TOTAL**  
**SEMESTER HOURS .....22-23**

### BANKING AND FINANCE

ACCT 330 – Financial Statement Analysis.....	3
FIN 300 – Financial Institutions and Markets .....	3
FIN 320 – Personal Finance .....	3
FIN 328 – Investments .....	3
FIN 426 – Corporate Finance .....	3
FIN 430 – International Finance.....	3
Select a minimum of <b>six</b> credit hours from the following:..	6-7
ACCT 331 – Intermediate Accounting I.....	4
ACCT 422 – Business Valuation .....	3
AGEC 246 – Introduction to Agricultural Finance	3
BADM 330 – Business Challenge .....	3
BADM 360 – Real Estate Principles .....	3
BADM 497 – Business Internship.....	3

**BANKING AND FINANCE MINOR**  
**TOTAL SEMESTER HOURS ....24-25**

### ENTREPRENEURSHIP

ENTR 300 – Creativity and Innovation.....	3
ENTR 366 – Entrepreneurship .....	3
MRKT 340 – Advertising and Sales Promotion.....	3
BADM 346 – Human Resource Management.....	3
Select a minimum of <b>twelve</b> credit hours from the following: .....	12
ACCT 316 – Business Law II.....	3
BADM 270 – Business Club or ACCT 210 - Accounting Club.....	1
BADM 330 – Business Challenge.....	3
BADM 364 – E-Commerce and Social Networking.....	3
BADM 466 – Business Research .....	3
BADM 497 – Business Internship.....	3
ENTR 267H – Entrepreneurship/Leadership Seminar.....	2

ENTR 316 – Entrepreneurial Community Development.....	3
LEAD 200H – Leadership and Change.....	1
MRKT 386 – Retail Management .....	3
<b>ENTREPRENEURSHIP MINOR</b>	
<b>TOTAL SEMESTER HOURS.....</b>	<b>24</b>

### HUMAN RESOURCE MANAGEMENT

BADM 346 – Human Resource Management.....	3
BADM 380 – Human Resource Law.....	3
BADM 460 – Human Resource Development.....	3
Select <b>twelve</b> credit hours from the following:.....	12
BADM 270 – Business Club .....	1
BADM 330 – Business Challenge.....	3
BADM 436 – Staffing and Workforce Diversity	3
BADM 452 – Compensation Management .....	3
BADM 465 – Labor Relations .....	3
BADM 480 – Seminar in Human Resource Issues .....	3
BADM 494 – Undergraduate Research.....	3
BADM 497 – Business Internship.....	3

**HUMAN RESOURCE**  
**MANAGEMENT MINOR TOTAL**  
**SEMESTER HOURS .....21**

### INTERNATIONAL BUSINESS

BADM 420 – International Management.....	3
BADM 456 – International Business Strategy .....	3
FIN 430 – International Finance.....	3
MRKT 357 – International Marketing.....	3
Select a minimum of <b>nine</b> credit hours from the following: ..	9
BADM 364 – E-Commerce and Social Networking.....	3
ECON 106 – Global Economics.....	3
FL 101, 102 – First Year Foreign Language.....	4
GEOG 452 – Global Issues .....	3
GIS 481 – Geographical Information Systems for Business.....	3

**INTERNATIONAL BUSINESS**  
**MINOR TOTAL SEMESTER**  
**HOURS .....21-22**

### MANAGEMENT

ACCT 316 – Business Law II.....	3
BADM 346 – Human Resource Management .....	3
Select <b>fifteen</b> credit hours from the following: .....	15
BADM 330 – Business Challenge.....	3
BADM 364 – Electronic Commerce and Social Networking .....	3
BADM 380 – Human Resource Law .....	3
BADM 466 – Business Research .....	3
BADM 497 – Business Internship.....	3
ENTR 300 – Creativity and Innovation.....	3
MRKT 340 – Advertising and Sales Promotion	3
MRKT 386 – Retail Management .....	3

**MANAGEMENT MINOR TOTAL**  
**SEMESTER HOURS ..... 21**

# DEPARTMENT OF BUSINESS AND MANAGEMENT

## MANAGEMENT INFORMATION SYSTEMS

BADM 264 – Internet Applications .....	3
BADM 388 – Management Information Systems.....	3
CSCI 160 – Computer Science I .....	4
CSCI 161 – Computer Science II .....	4
*Prerequisite: CSCI 120 – Introduction to Computer Programming or equivalent programming experience	
CSCI 221 – Computer Networks.....	3
Select a minimum of six credit hours from the following....	6-8
BADM 364 – Electronic Commerce and Social Networking .....	3
BADM 497 – Business Internship.....	3
CSCI 174 – Advanced Computer Programming in C++.....	4
CSCI 181 – Web Management .....	3
CSCI 185 – LINUX Operating Systems .....	3
CSCI 210 – PC Hardware and Software Management .....	2
CSCI 300 – Software Engineering .....	3
CSCI 342 – Object Programming with Data Structures .....	4
<b>MANAGEMENT INFORMATION SYSTEMS MINOR TOTAL SEMESTER HOURS .....</b>	
<b>23-25</b>	

## MANUFACTURING TECHNOLOGY

BOTE 218 –Desktop Publishing .....	3
CSCI 160 – Computer Science I .....	4
*Prerequisite: CSCI 120 – Introduction to Computer Programming or equivalent programming experience	
CSCI 221 – Computer Networks.....	3
IT 220 – Drawing and Specification Techniques I .....	3
IT 314 – Production Manufacturing Technology .....	3
IT 320 – Drawing and Specification Techniques II.....	3
IT 325 – Applied Specifications .....	1
<b>MANUFACTURING TECHNOLOGY MINOR TOTAL SEMESTER HOURS .....</b>	
<b>20</b>	

## MARKETING

BADM 466 – Business Research .....	3
MRKT 340 – Advertising and Sales Promotion.....	3
MRKT 491 – Business Administration Seminar: Marketing .	3
Select <b>three</b> credits from the following.....	3
PSYC 355 _ Psychology of Learning.....	3
SOC 315/POLS 315 – Public Opinion .....	3
Select <b>nine</b> credit hours from the following.....	9
ACCT 316 – Business Law II.....	3
BADM 330 – Business Challenge.....	3
BADM 360 – Real Estate Principles .....	3
BADM 364 – Electronic Commerce and Social Networking .....	3
BADM 497 – Business Internship.....	3
ENTR 300 – Creativity and Innovation.....	3
MRKT 386 – Retail Management .....	3
<b>MARKETING MINOR TOTAL SEMESTER HOURS .....</b>	
<b>21</b>	

## OFFICE ADMINISTRATION

BADM 346 – Human Resource Management .....	3
BOTE 152 – Keyboarding II .....	3
BOTE 202 – Keyboarding III.....	3
BOTE 218 – Desktop Publishing .....	3
Select <b>nine</b> credit hours from the following.....	9
ACCT 301 – Computerized Accounting .....	3
BADM 330 – Business Challenge.....	3
BADM 364 – Electronic Commerce and Social Networking .....	3
BADM 497 – Business Internship.....	3
CSCI 221 – Computer Networks .....	3
<b>OFFICE ADMINISTRATION TOTAL SEMESTER HOURS.....</b>	
<b>21</b>	

## Bachelor of Arts Degree Business Administration

### Degree Requirements:

**General Education Courses**  
**Bachelor of Arts Business**  
**Administration Major Courses**  
**Minor Courses**  
**Foreign Language**

A cumulative GPA of 2.25 or higher is required for graduation.

### STUDENT LEARNING OUTCOMES

The undergraduate program in Business Administration will enable students to:

1. Learn fundamental concepts and tools of analysis in the core areas of business administration, accounting, economics, management, marketing and finance, (meets Institutional Learning Outcomes I. Critical Thinking, II. Communication and Technology Skills, III. Multi Cultural and Global Experiences, IV. Aesthetic Experience, and V. Discipline Based Knowledge);
2. Develop excellent written and oral communication skills (meets Institutional Learning Outcomes I. Critical Thinking, II. Communication and Technology Skills, and IV. Aesthetic Experience);
3. Develop analytical and critical-thinking skills necessary to make sound business and personal decisions (meets Institutional Learning Outcomes I. Critical Thinking, II. Communication and Technology Skills, III. Multi Cultural and Global Experiences, and V. Discipline Based Knowledge);
4. Demonstrate a working knowledge of the global environment of business and multi-cultural issues (meets Institutional Learning Outcomes I. Critical Thinking, III. Multi Cultural and Global Experiences, and V. Discipline Based Knowledge);
5. Have significant dexterity with the use of computers and computer applications in business (meets Institutional Learning Outcomes I. Critical Thinking, II.



## DEPARTMENT OF BUSINESS AND MANAGEMENT

- Communication and Technology Skills, and V. Discipline Based Knowledge);
6. Find work opportunities in the local, regional, state, and national and international labor markets (meets Institutional Learning Outcomes I. Critical Thinking, II. Communication and Technology Skills, and V. Discipline Based Knowledge);
  7. Take advantage of opportunities for growth within the academic environment and become participants in intellectual and social activities organized by student and community organizations (meets Institutional Learning Outcomes I. Critical Thinking, II. Communication and Technology Skills).

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

(Requires a "C" or better in each course)

COMM 216 – Intercultural Communication.....	3
ECON 201 – Principles of Microeconomics .....	3
ENGL 110 or ENGL 111H* .....	3
ENGL 120 or ENGL 121H* .....	3
MATH 146 – Applied Calculus .....	3
MATH 305 – Probability and Statistics.....	4
<b>GENERAL EDUCATION TOTAL SEMESTER HOURS .....</b>	<b>19</b>

\*For TR Scholars

### PRE-MAJOR COURSES

(Requires a "C" or better in each course)

ACCT 200 – Elements of Accounting I.....	3
ACCT 201 – Elements of Accounting II .....	3
BOTE 210 – Business Communication.....	3
BOTE 247 – Spreadsheet Applications .....	3
ECON 202 – Principles of Macroeconomics .....	3
<b>PRE-MAJOR TOTAL SEMESTER HOURS .....</b>	<b>15</b>

### BACHELOR OF ARTS BUSINESS ADMINISTRATION MAJOR COURSES

Select **thirty-six** credits hours from the following. Note: Many of these courses require pre-requisites so please see your advisor.

ACCT 200 – Elements of Accounting I.....	3
ACCT 201 – Elements of Accounting II .....	3
ACCT 315 – Business Law I.....	3
ACCT 330 – Financial Statement Analysis.....	3
ACCT 422 – Business Valuation .....	3
AGEC 387 – Commodity Futures & Option.....	3
BOTE 210 – Business Communication.....	3
BOTE 247 – Spreadsheet Application.....	3
BADM 336 – Management and Leadership .....	3
BADM 346 – Human Resource Management.....	3
BADM 356 – Organizational Behavior.....	3
BADM 364 – Electronic Commerce and Social Networking .....	3

BADM 420 – International Management.....	3
BADM 455 – International Business .....	3
BADM 456 – International Business Strategy .....	3
ECON 106 – Global Economics.....	3
ECON 202 – Principles of Macroeconomics .....	3
ENTR 346 – Marketing and Management in a Global Economy.....	3
FIN 300 – Financial Institutions and Markets .....	3
FIN 320 – Personal Finance .....	3
FIN 326 – Managerial Finance.....	3
FIN 328 – Investments .....	3
FIN 426 – Corporate Finance .....	3
FIN 430 – International Finance.....	3
GEOG 452 – Global Issues .....	3
MRKT 357 – International Marketing.....	3
GIS 481 – GIS for Marketing.....	3

### BUSINESS ADMINISTRATION

#### MAJOR TOTAL SEMESTER

**HOURS .....** 36

**Non-Business Minor .....** 21-26

**Foreign Language.....** 16

#### TOTAL BACHELOR OF ARTS

#### BUSINESS ADMINISTRATION

**DEGREE CREDITS.....** 128

## Bachelor of Science Degree Finance

### Degree Requirements:

#### General Education Courses

#### Pre-Major Courses

#### Finance Major Courses:

##### Business Core Courses

##### Finance Core Courses

#### Electives

### STUDENT LEARNING OUTCOMES

The undergraduate program in Finance will enable students to:

1. Apply the knowledge and demonstrate an understanding of accounting, including financial and managerial accounting with a clear understanding of financial statements as well as cost concepts and international accounting (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
2. Apply the knowledge and demonstrate an understanding of economics, including basic economic concepts, microeconomics, macroeconomics, and international economics (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
3. Apply the knowledge and demonstrate an understanding of management, including the management process, organizational behavior, strategy, policy, international

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- and cross-cultural management, and entrepreneurship (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
4. Apply the knowledge and demonstrate an understanding of quantitative business analysis, including probability, statistics, and management science (this learning outcome directly addresses Institutional Learning Outcomes I and V).
  5. Apply the knowledge and demonstrate an understanding of information systems, including information systems in business and society, information technology concepts, business information systems, and systems development (this learning outcome directly addresses Institutional Learning Outcomes I, II, and V).
  6. Apply the knowledge and demonstrate an understanding of finance, including corporate finance, investments, and international finance (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
  7. Apply the knowledge and demonstrate an understanding of marketing, including identifying attractive markets, marketing institutions, and international marketing (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
  8. Apply the knowledge and demonstrate an understanding of the legal and social environment, including the legal environment, regulatory environment, business relationships, ethics, and social responsibility (this learning outcome directly addresses Institutional Learning Outcomes I and V).
  9. Apply the knowledge and demonstrate an understanding of the international issues in relationship to all areas of business (this learning outcome directly addresses Institutional Learning Outcomes I and III).
  10. Provides students with an understanding of the fundamental concepts of the 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 I and V).
  11. Provides students with an understanding of the fundamental concepts of risk and return, valuation of securities, financial market, and the financial environment (this learning outcome directly addresses Institutional Learning Outcomes I and V).
  12. Provides students with an understanding of the fundamental concepts of international finance (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).

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

(Requires a "C" or better in each course)

COMM 216 – Intercultural Communication .....	3
ECON 201 – Principles of Microeconomics .....	3
ENGL 110 or ENGL 111H* .....	3

ENGL 120 or ENGL 121H* .....	3
MATH 146 – Applied Calculus .....	3
MATH 305 – Probability and Statistics .....	4
<b>GENERAL EDUCATION TOTAL</b>	
<b>SEMESTER HOURS .....</b>	<b>19</b>

\*For TR Scholars

### PRE-MAJOR COURSES

(Requires a "C" or better in each course)

ACCT 200 – Elements of Accounting I .....	3
ACCT 201 – Elements of Accounting II .....	3
BOTE 210 – Business Communication .....	3
BOTE 247 – Spreadsheet Applications .....	3
ECON 202 – Principles of Macroeconomics .....	3
<b>PRE-MAJOR TOTAL SEMESTER</b>	
<b>HOURS .....</b>	<b>15</b>

### FINANCE MAJOR COURSES

#### BUSINESS CORE

(Listed above are General Education Courses and the Pre-Major Courses that Requires a "C" or better 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>BUSINESS CORE TOTAL</b>	
<b>SEMESTER HOURS .....</b>	<b>34</b>

#### FINANCE CORE

ACCT 330 – Financial Statement Analysis .....	3
ACCT 333 – Income Tax I .....	4
ACCT 422 – Business Valuation .....	3
AGEC 387 – Commodity Futures and Options .....	3
BADM 360 – Real Estate Principles .....	3
FIN 300 – Financial Institutions and Markets .....	3
FIN 320 – Personal Finance .....	3
FIN 328 – Investments .....	3
FIN 426 – Corporate Finance .....	3
FIN 430 – International Finance .....	3
FIN 468 – Cases in Finance .....	3
<b>FINANCE CORE TOTAL</b>	
<b>SEMESTER HOURS .....</b>	<b>34</b>

<b>FINANCE MAJOR TOTAL</b>	
<b>SEMESTER HOURS .....</b>	<b>68</b>



# DEPARTMENT OF BUSINESS AND MANAGEMENT

## 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. The requirements include successful completion of the following five courses (two from Dickinson State University and three from the College for Financial Planning):

FIN 328 – Investments .....	3
(Dickinson State University)	
ACCT 333 – Income Tax I .....	3
(Dickinson State University)	
CFPE 1101 – Financial Planning, Process, & Insurance.....	3
(College for Financial Planning)	
CFPE 1104 – Retirement Planning & Employee Benefits .....	3
(College for Financial Planning)	
CFPE 1105 – Estate Planning.....	3
(College for Financial Planning)	

The three 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 three 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 five 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 five 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 Department of Business and Management for more information.

## Bachelor of Science Degree Human Resource Management

### Degree Requirements:

#### General Education Courses

#### Pre-Major Courses

#### Human Resource Major Courses:

##### Business Core Courses

##### Human Resource Core Courses

#### Electives

A cumulative GPA of 2.25 or higher is required for graduation

### STUDENT LEARNING OUTCOMES

The undergraduate program in Human Resource Management will enable students to:

1. Apply the knowledge and demonstrate an understanding of accounting, including financial and managerial accounting with a clear understanding of financial statements as well as cost concepts and international accounting (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
2. Apply the knowledge and demonstrate an understanding of economics, including basic economic concepts, microeconomics, macroeconomics, and international economics (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
3. Apply the knowledge and demonstrate an understanding of management, including the management process, organizational behavior, strategy, policy, international and cross-cultural management, and entrepreneurship (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
4. Apply the knowledge and demonstrate an understanding of quantitative business analysis, including probability, statistics, and management science (this learning outcome directly addresses Institutional Learning Outcomes I and V).
5. Apply the knowledge and demonstrate an understanding of information systems, including information systems in business and society, information technology concepts, business information systems, and systems development (this learning outcome directly addresses Institutional Learning Outcomes I, II, and V).
6. Apply the knowledge and demonstrate an understanding of finance, including corporate finance, investments, and international finance (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
7. Apply the knowledge and demonstrate an understanding of marketing, including identifying attractive markets, marketing institutions, and international marketing (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
8. Apply the knowledge and demonstrate an understanding of the legal and social environment, including the legal environment, regulatory environment, business

# DEPARTMENT OF BUSINESS AND MANAGEMENT

- relationships, ethics, and social responsibility (this learning outcome directly addresses Institutional Learning Outcomes I and V).
9. Apply the knowledge and demonstrate an understanding of the international issues in relationship to all areas of business (this learning outcome directly addresses Institutional Learning Outcomes I and III).
  10. Learn fundamental concepts and tools of analysis in the core areas of workforce planning and employment, human resource development, as well as compensation and benefits (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, and V).
  11. Demonstrate an understanding of human resource management theories and practices in regards to employee and labor relations, equal opportunity laws as well as occupational safety and health management (this learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV, and V).

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

(Requires a "C" or better in each course)

COMM 216 – Intercultural Communication .....	3
ECON 201 – Principles of Microeconomics .....	3
ENGL 110 or ENGL 111H* .....	3
ENGL 120 or ENGL 121H* .....	3
MATH 146 – Applied Calculus .....	3
MATH 305 – Probability and Statistics .....	4
<b>GENERAL EDUCATION TOTAL SEMESTER HOURS .....</b>	<b>19</b>

\*For TR Scholars

## **PRE-MAJOR COURSES**

(Requires a "C" or better in each course)

ACCT 200 – Elements of Accounting I.....	3
ACCT 201 – Elements of Accounting II .....	3
BOTE 210 – Business Communication.....	3
BOTE 247 – Spreadsheet Applications .....	3
ECON 202 – Principles of Macroeconomics .....	3
<b>PRE-MAJOR TOTAL SEMESTER HOURS .....</b>	<b>15</b>

## **HUMAN RESOURCE MAJOR COURSES**

### **BUSINESS CORE**

(Listed above are General Education Courses and the Pre-Major Courses that Requires a "C" or better 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>BUSINESS CORE TOTAL SEMESTER HOURS .....</b>	<b>34</b>

### **HUMAN RESOURCE MANAGEMENT CORE:**

BADM 346 – Human Resource Management.....	3
BADM 380 – Human Resource Law .....	3
BADM 436 – Staffing and Workforce Diversity .....	3
BADM 452 – Compensation Management .....	3
BADM 460 – Human Resource Development.....	3
BADM 465 – Labor Relations .....	3
Select six credit hours from the following: .....	6
BADM 330 – Business Challenge.....	3
BADM 480 – Seminar in HR Issues .....	3
BADM 494 – Senior Project .....	3
BADM 497 – Business Internship.....	3
<b>HUMAN RESOURCE MANAGEMENT CORE TOTAL SEMESTER HOURS .....</b>	<b>24</b>

<b>HUMAN RESOURCE MANAGEMENT MAJOR TOTAL SEMESTER HOURS .....</b>	<b>58</b>
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## Bachelor of Science Degree International Business

**Degree Requirements:**

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

A cumulative GPA of 2.25 or higher is required for graduation

### **STUDENT LEARNING OUTCOMES**

The undergraduate program in International Business will enable students to:

1. Apply the knowledge and demonstrate an understanding of accounting, including financial and managerial accounting with a clear understanding of financial statements as well as cost concepts and international accounting (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
2. Apply the knowledge and demonstrate an understanding of economics, including basic economic concepts, microeconomics, macroeconomics, and international economics (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
3. Apply the knowledge and demonstrate an understanding of management, including the management process, organizational behavior, strategy, policy, international and

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cross-cultural management, and entrepreneurship (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).

4. Apply the knowledge and demonstrate an understanding of quantitative business analysis, including probability, statistics, and management science (this learning outcome directly addresses Institutional Learning Outcomes I and V).
5. Apply the knowledge and demonstrate an understanding of information systems, including information systems in business and society, information technology concepts, business information systems, and systems development (this learning outcome directly addresses Institutional Learning Outcomes I, II, and V).
6. Apply the knowledge and demonstrate an understanding of finance, including corporate finance, investments, and international finance (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
7. Apply the knowledge and demonstrate an understanding of marketing, including identifying attractive markets, marketing institutions, and international marketing (this learning outcome directly addresses Institutional Learning Outcomes I, III, and V).
8. Apply the knowledge and demonstrate an understanding of the legal and social environment, including the legal environment, regulatory environment, business relationships, ethics, and social responsibility (this learning outcome directly addresses Institutional Learning Outcomes I and V).
9. Apply the knowledge and demonstrate an understanding of the international issues in relationship to all areas of business (this learning outcome directly addresses Institutional Learning Outcomes I and III).
10. Demonstrate an understanding of International Business theories, standards, and methodologies (this learning outcome directly addresses Institutional Learning Outcomes III and V).
11. Learn and be able to synthesize cross-cultural theories, practices, and principles in order to meet the needs of employers in the Business profession as well as contribute to the betterment of global society (this learning outcome directly addresses Institutional Learning Outcomes III and V).

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

(Requires a “C” or better in each course)

COMM 216 – Intercultural Communication .....	3
ECON 201 – Principles of Microeconomics .....	3
ENGL 110 or ENGL 111H* .....	3
ENGL 120 or ENGL 121H* .....	3
MATH 146 – Applied Calculus .....	3
MATH 305 – Probability and Statistics .....	4

**GENERAL EDUCATION TOTAL  
SEMESTER HOURS ..... 19**

\*For TR Scholars

### PRE-MAJOR COURSES

(Requires a “C” or better in each course)

ACCT 200 – Elements of Accounting I .....	3
ACCT 201 – Elements of Accounting II .....	3
BOTE 210 – Business Communication .....	3
BOTE 247 – Spreadsheet Applications .....	3
ECON 202 – Principles of Macroeconomics .....	3

**PRE-MAJOR TOTAL SEMESTER  
HOURS ..... 15**

### INTERNATIONAL BUSINESS MAJOR COURSES

#### BUSINESS CORE

(Listed above are General Education Courses and the Pre-Major Courses that Require a “C” or better 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

**BUSINESS CORE TOTAL  
SEMESTER HOURS ..... 34**

#### INTERNATIONAL BUSINESS CORE

BADM 346 - Human Resource Management .....	3
BADM 420 – International Management .....	3
BADM 456 – International Business Strategy .....	3
ECON 106 – Global Economics .....	3
FIN 430 – International Finance .....	3
GIS 481 – Geographical Information Systems for Business ..	3
MRKT 357 – International Marketing .....	3
Select <b>three</b> credit hours from the following: .....	3

BADM 364 – Electronic Commerce and Social Networking .....	3
BADM 496 – Study Tour .....	3
BADM 497 – Business Internship .....	3

**INTERNATIONAL BUSINESS CORE  
TOTAL SEMESTER HOURS ..... 24**

# DEPARTMENT OF BUSINESS AND MANAGEMENT

## 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)**

#### Professional Secondary Education

10. Exhibit attitudes, actions, and behaviors indicative of a professional educator (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
11. Exhibit a desire for professional growth and improvement of performance in the Business Education classroom (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
12. Demonstrate a valuing of student diversity in backgrounds, interest, experiences, and abilities (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, and V.)
13. Make professional decisions using a reflective approach (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)

### 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, and V.)
2. Express knowledge of learning theory through planning, teaching, and interaction with Business Education students (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
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 I, II, and V.)
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, and V.)
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 I, II, and V.)
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 I, II, and V.)
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 I, II, and V.)
8. Develop and utilize various evaluative strategies and instruments for determining student achievement and instructional efficacy (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
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, and V.)

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

ECON 201 – Principles of Microeconomics .....	3
(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.) .....	
	3

### BUSINESS EDUCATION MAJOR COURSES SECONDARY EDUCATION

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 147 – Word Processing & Presentation Software .....	3
BOTE 152 – Keyboarding II .....	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

### BUSINESS EDUCATION MAJOR TOTAL SEMESTER HOURS ..... 42

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 and Technical Education.....	3
BOTE 412 – Coordination of Cooperative Work Experience Programs .....	3
CSCI 181 – Web Management .....	3
CSCI 221 – Computer Networks.....	3

### TOTAL SEMESTER HOURS ..... 15



# DEPARTMENT OF BUSINESS AND MANAGEMENT

## Associate of 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 to 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.)

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

ENGL 110 – College Composition I .....	3
HPER 100 – Concepts of Fitness and Wellness .....	1
MATH 103 – College Algebra.....	4
Select <b>three</b> credit hours from the following .....	3
ECON 105 – Elements of Economics .....	3
ECON 201 – Principles of Microeconomics ...	3

PSYC 111 – Introduction to Psychology .....	3
Select <b>three</b> credit hours from the following .....	3
ENGL 120 – College Composition II (Grade of “C” or higher).....	3
COMM 110 – Fundamentals of Public Speaking (Grade of “C” or higher).....	3
Electives from General Education Group III A, B, or C .....	3
<b>TOTAL GENERAL EDUCATION</b>	
<b>SEMESTER HOURS .....</b>	<b>17</b>

### OFFICE ADMINISTRATION MAJOR COURSES

ACCT 200 – Elements of Accounting I.....	3
ACCT 301 – Computerized Accounting .....	3
BOTE 147 – Word Processing & Presentation Software .....	3
BOTE 152 – Keyboarding II .....	3
BOTE 202 – Keyboarding III.....	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 .....	3
CSCI 200 – Database Software Applications .....	3

**OFFICE ADMINISTRATION  
MAJOR TOTAL SEMESTER  
HOURS .....** 33

### CONCENTRATIONS (Select one)

#### ACCOUNTING

ACCT 201 – Elements of Accounting II .....	3
ACCT 331 – Intermediate Accounting I.....	4
Select a <b>six to eight</b> credit hours from the following .....	6-8
ACCT 305 – Cost Accounting .....	3
ACCT 310 – Government and Non-profit Accounting .....	3
ACCT 332 – Intermediate Accounting II .....	4
ACCT 333 – Income Tax I .....	4
ACCT 334 – Income Tax II.....	3
ACCT 351 – Fraud Examination.....	3
ACCT 407 – Auditing I.....	4
<b>TOTAL SEMESTER HOURS ..</b>	<b>13-15</b>

#### AGRI-BUSINESS

PLSC 110 – World Food Crops .....	3
AGEC 142 – Agricultural Accounting .....	3
AGRI 280 – Computers in Agriculture .....	3
Select <b>three</b> credit hours from the following .....	3
AGEC 244 – Introduction to Agricultural Marketing .....	3
AGEC 246 – Introduction to Agricultural Finance .....	3
<b>TOTAL SEMESTER HOURS .....</b>	<b>12</b>

# DEPARTMENT OF BUSINESS AND MANAGEMENT

## COMPUTER SCIENCE

CSCI 120 – PC Hardware and Software Management .....	3
CSCI 160 – Computer Science I .....	4
*Prerequisite: CSCI 120 – Introduction to Computer Programming or equivalent programming experience	
CSCI 161 – Computer Science II .....	4
CSCI 221 – Computer Networks .....	3
<b>TOTAL SEMESTER HOURS .....</b>	<b>14</b>

## GRAPHIC DESIGN

ART 122 – Two-Dimensional Design .....	3
ART 130 – Drawing I .....	3
ART 280 – Photography I.....	3
GDES 241 – Graphic Design I.....	3
GDES 342 – Graphic Design II.....	3
Select <b>three</b> credit hours from the following electives: .....	3
ART 230 – Drawing II.....	3
ART 380 – Photography II .....	3
BADM 364 – E-Commerce and Social Networking .....	3
MRKT 340 – Advertising and Sales Promotion..3	
<b>TOTAL SEMESTER HOURS.....</b>	<b>18</b>

## LEGAL

ACCT 315 – Business Law I.....	3
ACCT 316 – Business Law II.....	3
BADM 336 – Management and Leadership.....	3
BOTE 254 – Legal Keyboarding .....	2
BOTE 255 – Legal Office Procedures .....	2
<b>TOTAL SEMESTER HOURS.....</b>	<b>13</b>

## MANAGEMENT

ACCT 201 – Elements of Accounting II .....	3
BADM 336 – Management and Leadership.....	3
BADM 356 – Organizational Behavior.....	3
COMM 317 – Organizational Communication .....	3
ENGL 120 – College Composition II (Grade of “C” or higher) .....	3
<b>(NOTE: COMM 110 – Fundamentals of Public Speaking must be selected under General Education, Group I – Communication and Technology)</b>	
<b>TOTAL SEMESTER HOURS.....</b>	<b>15</b>

## MEDICAL

HPER 210 – Community First Aid and CPR .....	2
HPER 215 – Survey of Human Anatomy.....	2
HPER 215L – Survey of Human Anatomy Lab .....	1
HPER 217 – Personal and Community Health .....	2
BOTE 171 – Medical Terminology I.....	3
BOTE 277 – Medical Office Procedures .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>13</b>

## Minors

(Restricted to Non-Business Majors)

### ALL MINORS ARE REQUIRED TO TAKE AS A PART OF THE GENERAL EDUCATION REQUIREMENTS:

ECON 201 – Principles of Microeconomics

### ACCOUNTING MINOR

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
<b>TOTAL SEMESTER HOURS.....</b>	<b>26</b>

### BUSINESS ADMINISTRATION MINOR

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
ECON 202 – Principles of Macroeconomics .....	3
ENTR 366 – Entrepreneurship .....	3
FIN 326 – Managerial Finance .....	3
MRKT 301 – Principles of Marketing .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>27</b>

### BUSINESS EDUCATION MINOR

#### SECONDARY EDUCATION

ACCT 200 – Elements of Accounting I.....	3
ACCT 201 – Elements of Accounting II .....	3
ACCT 301 – Computerized Accounting .....	3
BOTE 147 – Word Processing & Presentation Software .....	3
BOTE 152 – Keyboarding II .....	3
BOTE 210 – Business Communication.....	3
BOTE 218 – Desktop Publishing .....	3
BOTE 247 – Spreadsheet Applications .....	3
SEED 490B – Methods in Business Education .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>27</b>

### ENTREPRENEURSHIP MINOR

ACCT 102 – Fundamentals of Accounting .....	3
BADM 270 – Business Club .....	1
ENTR 266 – Beginning Entrepreneurship or ENTR 310 – Leadership and Philosophy of Entrepreneurship in a Global Society .....	3
ENTR 300 – Creativity and Innovation.....	3
ENTR 316 – Entrepreneurial Community Development .....	3
ENTR 346 – Marketing and Management in a Global Economy .....	3
ENTR 406 – Writing a Business Plan .....	3



## DEPARTMENT OF BUSINESS AND MANAGEMENT

Select a minimum of **three** credit hours from the following: .. 3

ACCT 315 – Business Law I.....	3
ACCT 316 – Business Law II .....	3
BADM 330 – Business Challenge.....	3
BADM 364 – E-Commerce and Social Networking.....	3
ENTR 267H – Entrepreneurship/Leadership Seminar.....	2
LEAD 200H – Leadership and Change.....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>22</b>

### Certificate Programs

#### ENTREPRENEURSHIP CERTIFICATE

ENTR 300 – Creativity and Innovation.....	3
ENTR 310 – Leadership & Philosophy of Entrepreneurship in Global Society.....	3
ENTR 316 – Entrepreneurial Community Development .....	3
ENTR 346 – Marketing and Management in a Global Economy .....	3
ENTR 406 – Writing a Business Plan .....	3
ENTR 499 – Special Topics: Entrepreneurship Seminar .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>16</b>

#### GENERAL BUSINESS CERTIFICATE

**(Restricted to Disney students only)**

BADM 364 – Electronic Commerce and Social Networking...	3
BADM 369 – Business Ethics and Critical Thinking.....	3
BADM 455 – International Business .....	3
BOTE 210 – Business Communication.....	3
COMM 216 – Intercultural Communications .....	3
ENTR 316 – Entrepreneurial Community Development .....	3
ENTR 346 – Marketing and Management in a Global Society .....	3
<b>TOTAL SEMESTER HOURS.....</b>	<b>21</b>

#### HUMAN RESOURCE MANAGEMENT

#### CERTIFICATE\*

BADM 336 - Management and Leadership .....	3
BADM 346 - Human Resource Management .....	3
BADM 356 - Organizational Behavior .....	3
BADM 380 - Human Resource Law .....	3
BADM 460 - Human Resource Development.....	3
BADM 494 - Undergraduate Research .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>16</b>

**\*NOTE:** To enroll in the above courses 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 Department of Business and Management based on professional work experience as demonstrated in a portfolio.

#### ENTREPRENEURIAL LEADERSHIP

#### CERTIFICATE\*\*

**(Restricted to Strom Center for the business community)**

COMM 199 – Special Topics in Communication .....	1-3
BADM 336 – Management and Leadership.....	3
BADM 346 – Human Resource Management.....	3
ENTR 300 – Creativity and Innovation or ENTR 346 – Marketing and Management in a Global Economy .....	3
FIN 326 – Managerial Finance.....	3
LEAD 100H – 21st Century Leadership .....	3
LEAD 200H – Leadership and Change.....	1
<b>TOTAL SEMESTER HOURS:....</b>	<b>17-19</b>

**\*\*NOTE:** To enroll in the above 300 and 400 level courses students must meet the following requirements: junior status or successful completion of an associates or bachelor’s degree in business, minimum 2.50 GPA, and successful completion of a course in Accounting comparable to ACCT 102 or above. COMM 199 is a prerequisite for enrolling in BADM 336 and 346. Students may have these requirements waived by the Chair of the Department of Business and Management based on professional work experience.



## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION



### **FACULTY**

Full-time Faculty: A. Hofland – Chair, Biesiot, Daniel, Leno, Monlux, Moody, O'Donnell, Stanton

### **FACILITIES**

The Ben C. Frank Human Performance Center opened in the fall 2000 semester and 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.

### **MAJOR AND MINORS**

#### **MAJORS**

Bachelor of Science in Education in Physical Education K-12  
Bachelor of Science in Exercise Science

#### **MINORS**

Physical Education (Elementary Education or Secondary Education only)  
Coaching

# DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

## Bachelor of Science in Education Degree Physical Education K-12

### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Minor Courses

#### Professional Secondary Education and ELED 298

#### Pre-Professional Experience: Elementary

### STUDENT LEARNING OUTCOMES

Upon completion of the major in Physical Education, the student will be able to:

1. Demonstrate an understanding of physical education content, concepts, and tools of inquiry; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Plan and implement developmentally appropriate learning experiences for K-12 students; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Plan and implement appropriate instruction adapted to diverse learners; (This learning outcome directly addresses Institutional Learning Outcome III.)
4. Use a variety of motivation and instructional management strategies to enhance learning; (This learning outcome directly addresses Institutional Learning Outcome V.)
5. Use effective communication and incorporate media and technology in the instructional process; (This learning outcome directly addresses Institutional Learning Outcome II.)
6. Use formal and informal assessment strategies; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
7. Use reflective decision-making skills related to instruction in physical education; (This learning outcome directly addresses Institutional Learning Outcome V.)
8. Demonstrate an understanding of how to foster collaborative relationships with colleagues, parents/guardians, and community agencies; (This learning outcome directly addresses Institutional Learning Outcome II.)
9. Demonstrate knowledge of healthy choices that promote a lifestyle of total wellness; (This learning outcome directly addresses Institutional Learning Outcome VI and indirectly addresses Institutional Learning Outcome IV.)

### PHYSICAL EDUCATION K-12 MAJOR COURSES

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 – Community First Aid and CPR .....	1
HPER 215 – Survey of Human Anatomy .....	4
HPER 216 – Skill Themes and Movement Concepts for the Elementary School .....	2

HPER 217 – Personal and Community Health .....	2
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
EDUC 390E – Health Education Methods .....	2
ELED 390H – Teaching Physical Education in the Elementary School * .....	2
SEED 390P – Methods of Teaching Secondary Physical Education .....	3
PSYC 240 – Human Sexuality .....	3
<b>TOTAL SEMESTER HOURS .....</b>	<b>54</b>

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

\*Physical Education Majors only.

## Bachelor of Science Degree Exercise Science

### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Minor Courses

The Bachelor of Science in Exercise Science major offers students the option of pursuing a career in exercise science in a non-teaching format. Flexibility was a prime consideration in the development of this major. Direct consultation with the leading corporation in the rapidly expanding field of advanced athletic training helped shape this major, which makes it unique to any other exercise science major offered. In addition it will also prepare the exceptional student for graduate education in exercise science or related fields.

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:

Survey of Human Anatomy, Athletic Development I, , Teaching Weight Training, Biomechanics, Biomechanics Lab, Advanced Athletic Development I, Advanced Athletic Development II, Physiology of Exercise, and Advanced Exercise Science.

# DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

## STUDENT LEARNING OUTCOMES

Upon completion of the major in Exercise Science, the student will be able to:

1. Demonstrate an understanding of exercise science content, concepts and tools of inquiry; (This learning outcome directly addresses Institution Learning Outcomes I, V, and VI.)
2. Plan and implement developmentally appropriate training experiences for all stages of athletic development; (This learning outcome directly addresses Institutional Learning Outcomes I, V and VI.)
3. Use a variety of motivation and instructional management strategies to enhance the advanced training process; (This learning outcome directly addresses Institutional Learning Outcome V.)
4. Use effective communication and incorporate media and technology in the advanced training process; (This learning outcome directly addresses Institutional Learning Outcome II.)
5. Use formal and informal assessment strategies; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
6. Demonstrate an understanding of how to foster collaborative relationships with colleagues, parents/guardians, and the community; (This learning outcome directly addresses Institutional Learning Outcomes II.)

## EXERCISE SCIENCE MAJOR COURSES

HPER 120 – Swimming .....	1
HPER 174 – Varsity Athletic Enhancement .....	1
HPER 207 – Prevention and Care of Athletic Injuries .....	2
HPER 208 – Introduction to Physical Education .....	3
HPER 210 – Community First Aid and CPR .....	1
HPER 215 – Survey of Human Anatomy .....	4
HPER 217 – Personal and Community Health.....	2
HPER 240 – Principles of Human Nutrition .....	3
HPER 241 – Athletic Development I .....	2
HPER 320 – Teaching Weight Training .....	2
HPER 328 – Biomechanics .....	3
HPER 328L – Biomechanics Lab.....	1
HPER 371 – Advanced Athletic Development I .....	2
HPER 372 – Advanced Athletic Development II .....	2
HPER 410 – Psychology and Sociology of Sport .....	2
HPER 420 – Organization and Administration of Physical Education .....	2
HPER 432 – Physiology of Exercise.....	3
HPER 435 – Advanced Exercise Science.....	3

**TOTAL SEMESTER HOURS ..... 39**

## Minors

### PHYSICAL EDUCATION MINOR

**(Elementary Education or Secondary Education Only)**

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 – Community First Aid and CPR .....	1
HPER 215 – Survey of Human Anatomy .....	4
HPER 216 – Skill Themes and Movement Concepts for the Elementary Schools .....	2

HPER 220 – 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
Select <u>one</u> of the following methods courses based on major* .....	3
ELED 390P – Teaching Physical Education and Health in the Elementary School .....	3
SEED 390P – Methods of Teaching Secondary Physical Education .....	3
<b>TOTAL SEMESTER HOURS .....</b>	<b>31</b>

\*Elementary Education majors must complete ELED 390P – Teaching Physical Education and Health in the Elementary School. Students majoring in Secondary Education subject areas must complete SEED 390P – Methods of Teaching Secondary Physical Education.

### COACHING MINOR

HPER 207 – Prevention and Care of Injuries.....	2
HPER 210 – Community 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
Select <u>two</u> courses from the following .....	4
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
HPER 410 – Psychology & Sociology of Sport & Exercise ...	2
HPER 420 – Organization and Administration of Physical Education .....	2
HPER 432 – Physiology of Exercise .....	3
Varsity Athletics – one of three combinations:.....	2
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 Athletics I .....	1
HPER 171 – Varsity Athletics II .....	1
HPER 172 – Varsity Athletics III .....	1
HPER 173 – Varsity Athletics IV .....	1
HPER 174 – Varsity Athletic Enhancement .....	1
HPER 175 – Varsity Athletic Enhancement .....	1
HPER 176 – Varsity Athletic Enhancement .....	1
HPER 177 – Varsity Athletic Enhancement .....	1
<b>TOTAL SEMESTER HOURS.....</b>	<b>26</b>

Coaching minors who transfer to Dickinson State University from other institutions must earn at least one varsity credit or athletic credit at this institution in addition to the credits transferred. (These credits **may not** be used for general physical education course requirements.)



## DEPARTMENT OF NURSING



### **FACULTY**

Full-time Faculty: Marsh – Chair, Bachamp, Charchenko, G. Hofland, Klusmann, Lantz, Meyer, Neumann, Sticha

The following information is subject to annual change. Please contact the Department of Nursing with any questions.

### **MISSION STATEMENT**

In harmony with the university mission, "...to provide service relevant to the ...health, and quality of life for the citizens of the state of N.D." 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.

### **MAJORS**

Associate in Applied Science in Practical Nursing Program (AASPN)

Semester credit hours: 66 (67 with ASC 100 – Freshman Seminar)

Enrollment limited to 43 students

Bachelor of Science in Nursing Completion Program (BSN)

Semester credit hours: 130 (131 with ASC 100 – Freshman Seminar)

Enrollment limited to 32 students

## DEPARTMENT OF NURSING

### **NATIONAL LEAGUE FOR NURSING ACCREDITING COMMISSION**

The AASPN and BSN programs are fully accredited by the National League for Nursing Accrediting Commission, Inc. The League's address is: 3343 Peachtree Road NE, Suite 500, Atlanta, Georgia, 30326. The League's phone number is: 1-404-975-5000. Their website can be found at [www.nlnac.org](http://www.nlnac.org).

### **NORTH DAKOTA BOARD OF NURSING**

The AASPN and BSN programs are approved by the North Dakota Board of Nursing. The Board's address is: 919 South 7th St., Suite 504, Bismarck, ND 58504-5881. The Board's phone number is: 701-328-9777. Their website can be found at [www.ndbon.org](http://www.ndbon.org).

### **ADMISSION, PROGRESSION, & GRADUATION REQUIREMENTS**

Students wishing to apply for admission into the nursing programs must complete a formal application **BOTH** to Dickinson State University and the Department of Nursing. *Admission to Dickinson State University does not automatically ensure admission to the nursing programs.* For information contact the Department of Nursing.

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](#). All prospective nursing students receive a copy of the admission, progression, and graduation criteria upon request of program information. **Admission, progression, and graduation criteria are subject to annual revision.**

All students planning to enter or re-enter a nursing program must meet the admission, progression, and graduation requirements of the program that are in effect at the time students start classes following official admission/re-admission into the respective nursing program.

**Criminal Background Check:** All nursing students admitted or readmitted to a nursing program are required to complete annual criminal background checks. Participation in the criminal background checks are necessary for obtaining clearance for students' participation in clinical learning opportunities at various healthcare facilities prior to students' clinical learning. Please contact the Department of Nursing with any questions.

### **REQUIRED FUNCTIONAL ABILITIES**

All nursing students admitted or re-admitted to a nursing program are required to complete annual required functional abilities assessments. The nursing profession requires specific physical/motor, sensory, cognitive and behavioral/emotional, communication, functional abilities of its practitioners and these same functional abilities are required of students throughout the nursing education programs.

For questions regarding required functional abilities in these areas, please contact the Department of Nursing for further information. If at any time the student's required functional abilities are in doubt, the Department of Nursing may require him/her to have a medical examination as deemed necessary. Official proof that the student has sufficient capacity in each of the required functional abilities areas from a medical physician and other healthcare professionals as appropriate, may be required for the student to continue in the nursing education program.

### **ASSOCIATE IN APPLIED SCIENCE IN PRACTICAL NURSING PROGRAM ADMISSION REQUIREMENTS**

General students and those not holding nurse licensure seeking admission to the first year of the AASPN Program must:

1. Provide official transcripts of high school coursework (partial or complete), GED (if appropriate), and all colleges attended (if appropriate), to the Department of Nursing. These official records must show evidence of the following:
  - Minimum 2.25 cumulative high school or college/university GPA,
  - OR, minimum average standard GED score of 50 or 450; and a minimum standard score of 40 or 410 in each subject area. Students are ranked according to GPA in the Selection Process.
  - Minimum grade of "C" (2.00) in high school or college/university algebra or GED math score of 40 or 410 (submit evidence of course in process).
  - Minimum grade of "C" (2.00) in high school or college/university chemistry or GED science score of 40 or 410 (submit evidence of course in process).
2. Submit a completed North Dakota University System application to Dickinson State University.
3. Submit a completed AASPN Program application to the Department of Nursing. **Application deadline is February 1.** Letters of acceptance/denial are sent by the Department of Nursing no sooner than the middle of March. Applications received after the deadline will be considered on a space available basis.
  - 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 and meet with the Department of Nursing Chair.
  - Enrollment is limited to 43.

### **Admission Requirements for International Students include:**

1. All international students applying for admission to the nursing program must first be admitted to Dickinson State University, which includes TOEFL score screening.



## DEPARTMENT OF NURSING

2. All international students are also required to take the ACT COMPASS Test at Dickinson State University via the ESL Specialist in the Academic Success Center for Nursing Program admission consideration. The ACT COMPASS Test is the official DSU English Language Proficiency exam and the results of this test determine a student's eligibility for AASPN or BSN Program admission consideration.
  - Minimum Level 4 ACT COMPASS Test scores are required for international students in the respective content areas of Listening, Reading, Grammar/Usage and Essay.

### **Vocational LPN's 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:**

1. Have graduated from a state-approved PN program.
2. Have a minimum grade of "C" (2.00) in required first year courses of CHEM 115, 115L – Introductory Chemistry and Lab, BIOL 211, 211L – Human Anatomy and Lab, PSYC 111 – Introduction to Psychology, BIOL 212, 212L – Human Physiology and Lab, PSYC 250 – Developmental Psychology, or equivalent courses. *Vocational LPN graduates may be admitted to the AASPN Program without meeting all pre-requisites 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. Have received academic credit for nursing courses from a regionally accredited institution. (Nursing credits transferred or awarded will be recorded on the Dickinson State University 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**

Have successfully completed NLN's PN FUNDAMENTALS Exam to receive academic credit for NURS 121/198A – Basic Nursing Concepts I and Clinical, NURS 131/198B – Basic Nursing Concepts II and Clinical, and NURS 240 – Fundamentals of Nutrition if necessary.

4. Submit verifiable evidence of unencumbered nurse licensure (or evidence of pending licensure). This includes social security number, state where licensed and licensure number.

### **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:

1. Submit verifiable evidence of unencumbered nurse licensure (or evidence of pending licensure). This includes social security number, state where licensed and licensure number.
2. Provide official transcripts of previous vocational/college/university education to the Department of Nursing. These official records must show evidence of the following:
  - Have a minimum 2.5 cumulative college/university GPA.
  - Have a minimum 2.5 cumulative nursing GPA. Students are ranked according to cumulative nursing GPA in the Selection Process.
  - Have a minimum grade of "C" (2.00) in all pre-requisite courses (or equivalent) of CHEM 115, 115L – Introductory Chemistry and Lab, BIOL 211, 211L – Human Anatomy and Lab, PSYC 111 – Introduction to Psychology, BIOL 212, 212L – Human Physiology and Lab, PSYC 250 – Developmental Psychology, HPER 100 – Concepts of Fitness and Wellness, ENGL 110 – College Composition I, ENGL 120 – College Composition II, SOC 110 – Introduction to Sociology or SOC 115 – Social Problems, BIOL 302, 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 pre-requisites 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. Submit a completed North Dakota University System application to Dickinson State University.
4. Submit a completed BSN Program application to the Department of Nursing. **Application deadline is February 1.** Letters of acceptance/denial are sent by the Department of Nursing no sooner than the middle of March. Applications received after the deadline will be considered on a space available basis.
  - 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 and meet with the Department of Nursing Chair.
  - Enrollment is limited to 32.

## DEPARTMENT OF NURSING

### **The Diploma RN seeking admission must meet admission criteria for the BSN completion program as previously noted and must also:**

Have received academic credit for nursing courses from a regionally accredited institution. (Nursing credits transferred or awarded will be recorded on the Dickinson State University 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 the NLN NACE II RN-BSN Exams (3 separate exams) to receive academic credit for:

NURS 121, 198A – Basic Nursing Concepts I and Clinical;  
NURS 131, 198B – Basic Nursing Concepts II and Clinical;  
NURS 240 – Fundamentals of Nutrition;  
NURS 231, 298A – Psychiatric/Mental Health Nursing and Clinical;  
NURS 241, 298B – Intermediate Nursing Concepts I and Clinical;  
NURS 251, 298C – Intermediate Nursing Concepts II and Clinical; and  
NURS 215 – Introduction to Pharmacology.

### **ASP/N/AASPN LPNs, ASN-RNs or ADN-RNs seeking ALTERNATE ADMISSION OPTION to the BSN Program (Nurses with less than 2.5 cumulative nursing GPA) must:**

1. Submit verifiable evidence of unencumbered nurse licensure. This includes social security number, state where licensed and licensure number.
2. Provide official transcripts of previous vocational/college/university education to the Department of Nursing. These official records must show evidence of the following:
  - a. Have a minimum 2.5 cumulative college/university GPA. Students are ranked according to GPA in the Selection Process.
  - b. Have a minimum 2.33 cumulative nursing GPA.
3. Have a minimum grade of “C” (2.00) in all pre-requisite courses (or equivalent) of CHEM 115, 115L –Introductory Chemistry and Lab, BIOL 211, 211L – Human Anatomy and Lab, PSYC 111 – Introduction to Psychology, BIOL 212, 212L – Human Physiology and Lab, PSYC 250 – Developmental Psychology, HPER 100 – Concepts of Fitness and Wellness, ENGL 110 – College Composition I, ENGL 120 – College Composition II, SOC 110 – Introduction to Sociology or SOC 115 – Social Problems, BIOL 302, 302L – Survey of Microbiology and Lab.

*ASP/N/AASPN-LPN, ASN-RN, or ADN-RN graduates may be admitted to the BSN Completion Program without meeting all pre-requisites 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.*

4. Submit a completed North Dakota University System application to Dickinson State University.
5. Submit a completed BSN Program application to the Department of Nursing. **Application deadline is February 1.** Letters of acceptance/denial are sent by the Department of Nursing no sooner than the middle of March. Applications received after the deadline will be considered on a space available basis.
6. Have a minimum **six month** interval between licensure as a nurse and completing the NLN NACE I PN-RN Exams (Foundations of Nursing and Nursing Care During Childbearing/Nursing Care of the Child). Prospective students are encouraged to work as a licensed nurse prior to completing the exams.
7. Have successfully passed the NLN NACE I PN-RN Exams (Foundations of Nursing and Nursing Care During Childbearing/Nursing Care of the Child) with a minimum score of 70 percent (total decision score) required on the Foundations and 65 percent on the Nursing Care During Childbearing and Nursing Care of the Child exam. The two scores on this one exam are combined. 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. The exam(s) may be repeated only **once**.
  - 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 an audit of their transcript from the registrar and meet with the Department of Nursing Chair.
  - Enrollment is limited to 32.

### **ENROLLMENT IN NURSING COURSES**

Students not enrolled in the nursing programs may take specified nursing courses provided they have the permission of the faculty teaching the course.

## DEPARTMENT OF NURSING

### Associate in Applied Science in Practical Nursing Program

#### Degree Requirements:

#### General Education Courses

#### Major Courses

#### Interdisciplinary Courses

#### PROGRAM OUTCOMES

Upon completion of the program, the graduate:

1. Provides care under supervision to stable individuals with well-defined health needs.
2. Participates in health promotion and provides care as a member of the health care team.
3. Demonstrates mastery of entry level PN competencies: communication, therapeutic nursing interventions and critical thinking.
4. Is prepared to write the NCLEX-PN licensure examination.

#### AASPN MAJOR COURSES

The AASPN Curriculum requires specific general education course requirements. 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.

#### GENERAL EDUCATION REQUIREMENTS .....18

CHEM 115, 115L – Introductory Chemistry and Lab (II-A) .....	4
PSYC 111 – Introduction to Psychology (IV-B) .....	3

HPER 100 – Concepts of Fitness and Wellness (VI) .....	2
ENGL 110 – College Composition I (I-A) .....	3
ENGL 120 – College Composition II (I-B) .....	3
Select <b>one</b> course from the following .....	3
SOC 110 – Introduction to Sociology .....	3
SOC 115 – Social Problems (IV-B) .....	3

#### INTERDISCIPLINARY COURSE

#### REQUIREMENTS ..... 15

BIOL 211, 211L – Human Anatomy and Lab .....	4
BIOL 212, 212L – Human Physiology and Lab .....	4
PSYC 250 – Developmental Psychology .....	3
BIOL 302, 302L – Survey of Microbiology and Lab .....	4

#### NURSING COURSE REQUIREMENTS ..... 33

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 240 – Fundamentals of Nutrition .....	2
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 .....	4

#### AASPN TOTAL SEMESTER HOURS .....66



## DEPARTMENT OF NURSING

### Bachelor of Science in Nursing Completion Program

#### Degree Requirements:

General Education Courses  
Major Courses  
Interdisciplinary Courses  
AASPN Program Curriculum

#### 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.

#### BSN MAJOR COURSES

The BSN Curriculum requires general education course requirements which build upon the general education course requirements of 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.

#### GENERAL EDUCATION REQUIREMENTS ..... 22

COMM 110 – Fundamentals of Public Speaking (I-C) .....3  
 Elective (III-A) .....3  
 Elective (IV-A or C ) ..... 3  
 Elective (III-B) ..... 3

MATH 103 – College Algebra (II-B) ..... 4  
 Elective (III-C) ..... 3  
 CSCI 101 – Introduction to Computers (I-D) ..... 3  
**Interdisciplinary Course Requirements ..... 6**  
 BIOL 357 – Pathophysiology ..... 3  
 PSYC 370 – Abnormal Psychology ..... 3

#### NURSING COURSE REQUIREMENTS ..... 36

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 and Management..... 3  
 NURS 431 – Community Health II ..... 3  
 NURS 435 – Synthesis..... 2  
 NURS 498B – Clinical Concepts III..... 5

#### BSN PROGRAM CURRICULUM

**REQUIREMENTS ..... 64**

#### AASPN PROGRAM CURRICULUM

**REQUIREMENTS ..... 66**

**BSN TOTAL SEMESTER HOURS ..... 130**

## DEPARTMENT OF TEACHER EDUCATION



### **FACULTY**

Full-time Faculty: Conner – Chair, Aronson, Gibson, LaPlante, McCoy, McGarva, Moberg, Olson, Pitkin, Russ, Stankard

### **CONCEPTUAL FRAMEWORK**

The Teacher Education Program at Dickinson State University is based on the conceptual framework, “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.

### **STUDENT LEARNING OUTCOMES FOR THE TEACHER EDUCATION PROGRAM**

The Student Learning Outcomes for the Teacher Education Program are as follows:

#### **DEVELOPMENT OF THE KNOWLEDGE BASE**

Graduates of the Teacher Education Program will demonstrate a comprehensive knowledge of:

1. Basic skills in written and oral communication and mathematics; (This learning outcome directly addresses Institutional Learning Outcomes I and II).
2. General education areas of natural sciences, human civilization, and physical education; (This learning outcome directly addresses Institutional Learning Outcomes II, III, IV and VI.)
3. Subject matter to be taught; (This learning outcome directly addresses Institutional Learning Outcomes II and V.)

## **DEPARTMENT OF TEACHER EDUCATION**

4. Historical, philosophical, sociological, and psychological foundations of education; (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
5. Developmental processes from pre-birth through adolescence; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
6. Theories of learning that underlie teaching practices; (This learning outcome directly addresses Institutional Learning Outcomes I, IV and V.)
7. Methods of teaching that help insure student learning; (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV and V.)
8. Classroom evaluation procedures; (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
9. Curriculum organization and lesson planning procedures; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
10. Classroom management strategies; and (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
11. Educational technology in classroom settings, including computer hardware and software. (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)

### **APPLICATION**

Graduates of the Teacher Education Program will apply Knowledge and Skills by:

1. Communicating accurately and effectively, in both speaking and writing, with students, colleagues, parents, and community members; (This learning outcome directly addresses Institutional Learning Outcomes I and II.)
2. Organizing a comprehensive instructional program through effective planning, including the development of unit and daily lesson plans that incorporate measurable objectives; (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
3. Using a variety of instructional strategies and methods to implement unit and daily lesson plans; (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Developing and utilizing various evaluative strategies and instruments for determining student achievement and instructional efficacy; (This learning outcome directly addresses Institutional Learning Outcomes II, III and V.)
5. Organizing and managing a classroom for optimal teaching and learning; (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV and V.)
6. Utilizing educational technology, such as computers, to enhance the learning environment; and (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
7. Fostering a classroom environment that is supportive of critical thinking and independent learning. (This learning outcome directly addresses Institutional Learning Outcomes I, II, V and VI.)

### **DEVELOPMENT OF PROFESSIONAL STANDARDS**

Graduates of the Teacher Education Program will demonstrate attitudes and behaviors indicative of Professional Standards which include:

1. A sense of fairness and the belief that all students can learn; (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV and V.)
2. Conviction that his or her teaching specialty is important to society and to students; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Desire to help students to maximize their educational potential; (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Respect for the intellectual curiosity in themselves and others; (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV and V.)
5. Appreciation of the diversity that exists in American culture; (This learning outcome directly addresses Institutional Learning Outcomes III and IV.)
6. Professional appearance; (This learning outcome directly addresses Institutional Learning Outcomes I, V and VI.)
7. Sense of responsibility; (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
8. Desire for professional growth and working to improve performance through reflective self-critique; (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
9. Confidence in carrying out the responsibilities of a professional educator; (This learning outcome directly addresses Institutional Learning Outcomes I, IV and V.)
10. Courteous behavior in all interactions with colleagues, students, and parents; (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
11. Respect for school policies; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
12. Self-evaluation; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
13. Development of a philosophy of education; and (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
14. Collaborative working relationships with colleagues. (This learning outcome directly addresses Institutional Learning Outcomes II, III and V.)

### **SENSITIVITY TO DIVERSITY AND INCLUSION IN MULTICULTURAL EDUCATION**

Graduates of the Teacher Education Program will demonstrate a Sensitivity to Diversity and Multicultural Education by:

1. Demonstrating through actions, speech, and writing, knowledge of the value of diverse cultures in education and the classroom; (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and IV.)
2. Utilizing instructional strategies that appropriately accommodate students from diverse backgrounds in the classroom; (This learning outcome directly addresses Institutional Learning Outcomes III, IV and V.)



## **DEPARTMENT OF TEACHER EDUCATION**

3. Demonstrating a knowledge of diversity issues such as linguistics, bilingual education, sexual orientation, etc.; (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV and V.)
4. Developing three multicultural lesson plans in the Teaching for Diversity course; and (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
5. Adapting five lesson plans to accommodate students with disability in the Educational Psychology and Evaluation course. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, V and VI.)

Graduates of the Teacher Education Program will demonstrate Knowledge of Inclusion and Inclusive Strategies by:

1. Demonstrating familiarity with PL94-142 and PL101-476 requirements; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Demonstrating knowledge of landmark legal decisions affecting the philosophy of inclusion; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
3. Demonstrating basic knowledge of educational diagnostic assessment and the assessment process; (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
4. Demonstrating the ability to serve as a required member of the MDT; (This learning outcome directly addresses Institutional Learning Outcomes I, II, and V.)
5. Adapting a lesson plan to accommodate students with various disabilities; (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
6. Examining a comprehensive IEP based on an individualized assessment report; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
7. Demonstrating knowledge of the educational definition and etiologies of categorical disabilities; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
8. Demonstrating knowledge of appropriate curriculum, instructional strategies and interventions for students with various disabilities; and (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
9. Interacting with people with disability. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)

### **DEVELOPMENT OF REFLECTIVE DECISION-MAKING SKILLS**

Graduates of the Teacher Education Program will demonstrate *Reflective Decision-Making Skills* by:

1. Recognizing problematic teaching situations; (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
2. Framing and reframing the situation; (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)

3. Recognizing the similarities and differences of the situation; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
4. Experimenting with various solutions; (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
5. Recognizing the consequences and implications of various solutions; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
6. Recognizing and evaluating intended and unintended consequences of implemented solutions; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
7. Applying a reflective process in all three phases of instructional decision-making; (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
8. Recognizing that teaching decisions are situational, dependent on students, outcomes, the school context, support of the school environment, etc.; and (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
9. Evaluating teaching decisions in terms of professional and personal beliefs and values. (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)

### **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), 2010 Massachusetts Avenue NW, Suite 500, Washington, D.C. 20036; phone (202) 466-7496. This accreditation covers initial teacher preparation programs. NCATE is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation as a professional accrediting body for teacher preparation.

NCATE is a coalition of over 33 member organizations of teachers, teacher educators, content specialists, and local and state policy makers that are committed to quality teaching.

The NCATE Standards focus on the following six areas:

- Candidate Knowledge, Skills and Professional Dispositions
- Assessment System and Unit Evaluation
- Field Experience and Clinical Practice
- Diversity
- Faculty Qualifications, Performance and Development
- Unit Governance and Resources

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; phone (701) 328-9641.

The ESPB sets the standards pertaining to teacher licensure, teacher education program approval (accreditation), and

## **DEPARTMENT OF TEACHER EDUCATION**

professional development of educators. As an “Option Two” state, the North Dakota ESPB aligns their standards with the NCATE standards. The membership of the ESPB is comprised of:

- 4 Classroom Teachers from the Public Schools
- 1 Classroom Teacher from a Private School
- 2 School Board Members
- 2 School Administrators
- 1 Dean of Education

### **ADMISSION TO TEACHER EDUCATION**

Admission to Teacher Education is a two-phase process. Admission criteria are set by the Teacher Education Council and are subject to change. Phase one consists of provisional admission and phase two is full admission. Each phase of admission includes specific admission criteria. A passing score on each of the three subtests of the Pre-Professional Skills Test (PPST) or meeting the requirements for a composite score of 516 is one of the criteria required for provisional admission. Satisfactory completion of the assessment portfolio peer review and content review are two of the criteria required for full admission.

### **PROVISIONAL ADMISSION:**

Application for provisional admission occurs at the completion of the course EDUC 250 – Introduction to Education.

Provisional admission criteria are:

1. Completion of a minimum of 24 semester hours prior to enrollment in EDUC 250 – Introduction to Education;
2. Completion of EDUC 250 – Introduction to Education, with a minimum grade of “C”;
3. Satisfactory completion of Pre-Professional Experience;
4. A passing score on each of the three subtests of the Pre-Professional Skills Test (PPST) or meeting the requirements for a composite score of 516;
5. A minimum grade of “C” in ENGL 110 and 120 – College Composition I and II;
6. A minimum grade of “C” in COMM 110 – Fundamentals of Public Speaking;
7. A minimum overall GPA of 2.75;
8. Recommendation from advisor;
9. Recommendation from the EDUC 250 – Introduction to Education instructor and the Pre-Professional university supervisor; and
10. Approval of the chair of the Department of Teacher Education.

Provisional admission is required in order to take the following courses:

- EDUC 300 – Teaching for Diversity
- EDUC 305 – Philosophy and Curriculum of Middle School
- EDUC 310 – Methods of Teaching in Middle School
- EDUC 360 – Managing the Learning Environment
- EDUC 405 – Educational Psychology and Evaluation
- EDUC 491 – Education Seminar
- ELED 281 – Reading for the Elementary Teacher
- MATH 277 – Mathematics for Elementary Teachers
- ELED 290A – Art Methods for Elementary Education

- ELED 290X – Mathematics for Elementary Teachers II
- ELED 300 – Elementary Curriculum and Language Arts
- ELED 398B – Elementary Methods Block Field Experience
- ELED 398C – Elementary Field Experience: Mentoring in the Classroom
- ELED 282 – Reading Across the Curriculum and Content Reading
- ELED 310 – Elementary Curriculum and Social Studies
- ELED 390P – Teaching Physical Education and Health in the Elementary School
- ELED 390S – Elementary Education Science Methods
- THEA 340 – Creative Dramatics
- EC 310 – Introduction to Early Childhood Education
- EC 313 – Language and Literacy in Early Childhood
- ELED 323 – Observation and Assessment in Kindergarten
- ELED 324 – Kindergarten Curriculum, Methods, and Materials
- ELED 398A – Pre-Professional Experience: Kindergarten
- ELED 383 – Diagnosis and Correction of Reading Disabilities
- ELED 390M – Elementary Music Methods
- ELED 484 – Practicum in Reading
- ELED 491 – Elementary Education Seminar
- SEED 300 – Secondary Curriculum and Effective Teaching
- SEED 370 – Reading in the Content Areas
- SEED 390M – Secondary Instrumental Music Methods
- SEED 390P – Methods of Teaching Secondary Physical Education
- SEED 390X – Teaching Secondary School Mathematics
- SEED 490A – Art Methods for Secondary Education
- SEED 490B – Methods in Business Education
- SEED 490C – Computer Science Education Methods
- SEED 490D – Methods of Teaching Social Science
- SEED 490H – Laboratory and Teaching Techniques of Spanish
- SEED 490L – Methods of Teaching Secondary Language Arts
- SEED 490M – Secondary Choral Music Methods
- SEED 490S – Secondary Education Science Methods
- SEED 491 – Secondary Education Seminar

### **PRE-PROFESSIONAL SKILLS TEST**

Dickinson State University requires applicants to the Teacher Education Program to pass the Pre-Professional Skills Test (PPST) that includes subtests in reading, writing, and mathematics as one of the criteria for program admission. The skills measured by these tests are important for successful completion of the program; only candidates who demonstrate the requisite skills in these areas will be admitted. Each student who takes the PPST must obtain a minimum score of 173 on the reading subtest, 173 on the writing subtest, and 170 on the mathematics subtest or meet the requirements for a composite score of 516 in order to be eligible for provisional admission. The requirements for a composite score of 516 are a passing score on two of the three subtests. The required minimum test scores and the composite score criteria meet

## **DEPARTMENT OF TEACHER EDUCATION**

North Dakota Education and Standards Board (ESPB) requirements for licensure. Candidates must re-take the PPST or portions of the PPST until passing scores or the composite score criteria are achieved. Candidates will be informed of test registration procedures and are responsible for scheduling and fees.

### **FULL ADMISSION**

Upon completion of 60 semester hours, students will be reviewed by the department of their major for Full Admission to Teacher Education. The candidate for Full Admission to Teacher Education must have an approved peer review and content review of their professional education assessment portfolio. Candidates are reviewed by their major department on the basis of scholastic record, personality character traits, eligibility for teacher licensure (a criminal record may prevent a candidate from obtaining licensure), and skill in oral and written communication. The department will make a recommendation to the Teacher Education Council for admission or denial. The Teacher Education Council or a designated subcommittee during times when school is not in session, will make final decisions regarding full admission to Teacher Education. In cases where the Council must refuse admission to candidates, assistance will be given for developing other career plans. Specific criteria for admission can be found in the *Teacher Education Handbook* or by consultation with the chair of the Department of Teacher Education. Full admission is required to be admitted to Pre-Service Teaching.

### **ASSESSMENT PORTFOLIO**

All teacher education students must develop an assessment portfolio that describes their knowledge, skills, and professional standards. The portfolio is begun in the sophomore year and is completed prior to admission to the senior year Pre-Service Teaching experience. Each assessment portfolio is assessed three times:

- 1) a satisfactory portfolio peer review is required for full admission;
- 2) a satisfactory portfolio content review is required for full admission; and
- 3) a satisfactory portfolio final review is required prior to Pre-Service Teaching.

Students enrolling in EDUC 250, Introduction to Education, and EDUC 210, Educational Technology, will be required to purchase and implement LiveText electronic portfolio software. Transfer students will also be required to purchase and use LiveText electronic portfolio software. LiveText and portfolio requirements will be explained in EDUC 250, Introduction to Education, and EDUC 210, Educational Technology and implemented in a variety of other courses.

### **ADMISSION TO PRE-SERVICE TEACHING**

The capstone experience for Dickinson State University students enrolled in teacher education programs is the senior

year, full time Pre-Service Teaching Program. Students admitted to the Pre-Service Teaching Program complete their requirements for supervised teaching in elementary and secondary schools in Dickinson and nearby communities. Students must submit applications for pre-service teaching at least one semester in advance.

To be admitted to the supervised Pre-Service Teaching program, an applicant must have an overall grade point average of at least 2.75; a 2.75 average in major courses; a 2.50 average in minor courses; be fully admitted to Teacher Education; satisfactory completion of the portfolio final review; and be recommended by the chair of the student's major. Refer to the Teacher Education Handbook for more information.

### **PRAXIS II Testing**

Students who intend to graduate with the degree of Bachelor of Science in Education must pass the PRAXIS II test in those subject areas where such testing is required by the North Dakota Education Standards and Practices Board. Students with prior degrees who intend to complete the Teacher Education Program must also pass the PRAXIS II test in those subject areas where such testing is required by the North Dakota Education Standards and Practices Board. The PRAXIS II tests must be passed with a score that meets or exceeds the minimum passing score required by the North Dakota Education Standards and Practices Board. The PRAXIS II testing is a required component of the Teacher Education Program, and must be passed prior to graduation or program completion. Information regarding the PRAXIS II tests and the required passing scores is available from the Chair of the Department of Teacher Education.

### **WEST RIVER TEACHER CENTER**

The West River Teacher Center, located in May Hall Room 3, 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 K-12 teachers, administrators, and support staff in eight counties of Southwestern North Dakota. It also serves as a valuable resource for Dickinson State University teacher education students.

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 Teacher Education are members of the West River Teacher Center.

# DEPARTMENT OF TEACHER EDUCATION

## MAJORS AND MINORS

### MAJORS

Bachelor of Science in Education in Elementary Education

Concentrations:

Reading

Kindergarten

Bachelor of Science in Education in Technology Education

(Cooperative major with Valley City State University)

Bachelor of Science in Psychology

### MINORS

Psychology

Technology Education

## Elementary Education Major

The Bachelor of Science in Education degree with a major in Elementary Education includes general education courses, courses from specific disciplines, professional education courses, and two areas of concentration to total 140 semester hours. 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 a "S-U" letter basis.

## Bachelor of Science in Education Degree Elementary Education

### Degree Requirements:

General Education Courses

Major Courses

Two Areas of Concentration or Minor

### STUDENT LEARNING OUTCOMES FOR THE PRE-SERVICE TEACHING PROGRAM

In addition to the Student Learning Outcomes for the Teacher Education Program, Student Learning Outcomes for the Pre-Service Teaching Program have also been identified. These outcomes will be utilized for both the elementary and secondary programs.

Pre-service teachers from the Teacher Education program of Dickinson State University will:

### KNOWLEDGE BASE

1. Demonstrate a comprehensive knowledge of the subject matter being taught. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
2. Express knowledge of learning theory through planning, teaching, and interaction with the students. (This learning outcome directly addresses Institutional Learning

Outcomes I, II and V.)

3. Enhance the learning environment by incorporating the use of technological equipment into the classroom. (This learning outcome directly addresses Institutional Learning Outcomes II and V.)

### APPLICATION

4. Communicate accurately and effectively, both verbally and in writing, with students, colleagues, and parents/community members. (This learning outcome directly addresses Institutional Learning Outcomes I, II and III.)
5. Organize a comprehensive instructional program through effective planning. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
6. Effectively instruct students as outlined by a lesson plan. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
7. Develop and utilize various evaluative strategies and instruments for determining student achievement and instructional efficacy. (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
8. Organize and manage a classroom for optimal teaching and learning. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III, IV and V.)

### PROFESSIONAL STANDARDS

9. Demonstrate attitudes, actions, and behaviors indicative of a professional educator. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
10. Exhibit a desire for professional growth and improvement of performance in the classroom. (This learning outcome directly addresses Institutional Learning Outcomes II, III and V.)
11. Demonstrate a valuing of student diversity in backgrounds, interests, experiences, and abilities. (This learning outcome directly addresses Institutional Learning Outcomes II, III, IV and VI.)

### DIVERSITY AND INCLUSION

12. Provide an instructional program that addresses diversity and multicultural education and accommodates the special needs of each student. (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV and VI.)

### REFLECTION

13. Make professional decisions using a reflective approach. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)

## DEPARTMENT OF TEACHER EDUCATION

### 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 AND TECHNOLOGY

ENGL 110 – College Composition I or ENGL 111H Honors Composition I.....	3
ENGL 120 – College Composition II or ENGL 121H Honors Composition II .....	3
COMM 110 – Fundamentals of Public Speaking or COMM 110H Honors Public Speaing .....	3
*CSCI 101 – Introduction to Computers .....	3

#### NATURAL SCIENCES

*BIOL 111, 111L – Concepts of Biology and Lab .....	4
MATH 103 – College Algebra .....	4

#### EXPRESSIONS OF HUMAN CIVILIZATION

*ART 122 – Two-Dimensional Design.....	3
*MUSC 110 – Foundations of Music .....	3
**Select <b>one</b> course from the following:.....	3
*ENGL 220 – Introduction to Literature.....	3
*ENGL 241 – World Literature I .....	3
*ENGL 242 – World Literature II.....	3
*ENGL 262 – American Literature II .....	3

#### UNDERSTANDING HUMAN CIVILIZATION

*Select <b>one</b> course from the following:.....	3
HIST 103 – U.S. to 1877.....	3
HIST 104 – U.S. Since 1877 .....	3
*PSYC 111 – Introduction to Psychology .....	3
*GEOG 121 – Physical Geography .....	3

#### HEALTH AND WELLNESS

HPER 100 – Concepts of Fitness and Wellness.....	2
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**TOTAL GENERAL EDUCATION  
SEMESTER HOURS ..... 40**

\*Consult with adviser regarding general education sequence

\*\* Meet Group V requirements of Multicultural Studies

#### ELEMENTARY EDUCATION MAJOR COURSES

◆ EDUC 210 – Educational Technology .....	2
EDUC 250 – Introduction to Education .....	2
◆ ELED 298 – Pre-Professional Experience: Elementary ...	1
ELED 238 – Children’s Literature .....	3
PSYC 250 – Developmental Psychology .....	3
PSYC 280 – Education of Exceptional Learners .....	3
Elementary Methods Block (15)	
* ELED 281 – Reading for the Elementary Teacher (Fall) .....	3
* ELED 282 – Reading Across the Curriculum and Content Reading (Spring).....	3

* MATH 277 – Mathematics for Elementary Teachers (Fall).....	3
* ELED 290X – Mathematics for Elementary Teachers II (Spring).....	3
* ELED 300 – Elementary Curriculum and Language Arts (Fall) .....	3
* ELED 310 – Elementary Curriculum and Social Studies (Spring).....	3
* EDUC 360 – Managing the Learning Environment ....	1
* ELED 390S – Elementary Education Science Methods (Fall).....	3
* ELED 390P – Teaching Physical Education and Health in the Elementary School (Spring) .....	3
* ELED 398B – Elementary Methods Block Field Experience.....	2

(Note: Students completing the Elementary Methods Block in the Fall semester take the ELED 281-Reading for the Elementary Teacher, MATH 277 – Mathematics for Elementary Teachers, ELED 300 – Elementary Curriculum and Language Arts, EDUC 360 – Managing the Learning Environment, and ELED 390S – Elementary Education Science Methods courses as part of the Block requirements. Students completing the Elementary Methods Block in the Spring semester take the ELED 282 – Reading Across the Curriculum and Content Reading, ELED 290X – Mathematics for Elementary Teachers II, ELED 310 – Elementary Curriculum and Social Studies, EDUC 360 – Managing the Learning Environment, and ELED 390P – Teaching Physical Education and Health in the Elementary School courses as part of the Block requirements. All courses, however, are required for graduation.)

* ELED 398C – Elementary Field Experience:	
* Mentoring in the Classroom.....	1
* ELED 290A – Art Methods for Elementary Education ...	3
* EDUC 300 – Teaching for Diversity.....	3
MUSC 305 – Music Activities for Elementary Teachers .	2
* EDUC 405 – Educational Psychology and Evaluation ....	3
BIOL 111,111L – Concepts of Biology and Lab (4) (General Education requirement)	
SCNC 105, 105L – Physical Science and Lab .....	4
* Thea 340 – Creative Dramatics .....	2
Choose <b>one</b> of the following: .....	3
Soc 110 – Introduction to Sociology .....	3
HIST 211 – World Civilizations to 1500 .....	3
HIST 212 – World Civilizations Since 1500.....	3
POLS 240 – Political Ideologies.....	3

Professional Semester:

\*ELED 498A – Teaching in the Elementary School.. 15

**TOTAL SEMESTER HOURS..... 77**

\*Pre-requisite: Admission to Teacher Education

• Must be taken in conjunction with EDUC 250 – Introduction to Education

## DEPARTMENT OF TEACHER EDUCATION

### TWO AREAS OF CONCENTRATION (Minimum of 12 semester hours each)

In addition to the General Education and major requirements, each elementary education major is required to have:

A total of 24 semester hours in two areas of concentration with a minimum of 12 hours in each. Required courses for the major or those courses used for general studies may not be counted in the areas of concentration. The list of acceptable areas of concentration includes: natural science, social science, computer science, mathematics, reading\*, and kindergarten\*. Other options may be available with the approval of the chair of the Department of Teacher Education. Coursework for the areas of concentration will be decided jointly by the students and their advisers.

In lieu of two areas of concentration, a student may select a minor from the following options: art, biology, chemistry, coaching, computer science, earth science, English, geography, history, mathematics, music - choral, music - instrumental, physical education, political science, psychology, science, social science, Spanish, communication, or theatre. A student intending to teach upper elementary or middle school is strongly encouraged to select a minor. Specific requirements for the minor are shown under that department in the catalog. A minor must total 24 semester hours minimum. With the department chair's approval, a student may select course work for the middle school endorsement in lieu of a minor. The middle school endorsement must be in a content area approved by the N.D. Education Standards and Practices Board. Please see the chair of the Department of Teacher Education for details.

\* These concentrations lead to special state endorsements and/or credentials. See description in next section. Students who complete either the reading or kindergarten concentration will not be required to have a second concentration.

### REQUIREMENTS FOR THE AREA OF CONCENTRATION IN KINDERGARTEN EDUCATION

A student must be majoring in elementary education and be admitted into Teacher Education to take the required courses in the kindergarten sequence. Students must complete the entire sequence to be recommended for state licensure in kindergarten.

EC 310 – Introduction to Early Childhood Education.....	3
ELED 323 – Observation and Assessment in Kindergarten ...	1
ELED 398A – Pre-Professional Experience: Kindergarten....	1
ELED 324 – Kindergarten Curriculum, Methods, and Materials.....	4
EC 313 – Language and Literacy in Early Childhood.....	3
ELED 498B – Teaching in the Elementary School: Kindergarten .....	7
<b>TOTAL SEMESTER HOURS.....</b>	<b>19</b>

### REQUIREMENTS FOR THE AREA OF CONCENTRATION IN READING

A student must be admitted into Teacher Education 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 after graduation and attainment of their initial North Dakota teaching license for elementary teaching.

ELED 383 – Diagnosis and Correction of Reading Disabilities.....	3
ELED 484 – Practicum in Reading .....	2
ELED 282 – Reading Across the Curriculum and Content Reading.....	3
EC 313 – Language and Literacy in Early Childhood.....	3
COMM 211 – Oral Interpretation .....	3
Electives.....	6
Choose <b>two</b> of the following:	
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>TOTAL SEMESTER HOURS.....</b>	<b>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 that department 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 a "S-U" letter basis. Due to the federal No Child Left Behind legislation, students are encouraged to consider completion of two teaching majors rather than a teaching major and a teaching minor.

### PROFESSIONAL EDUCATION REQUIREMENTS - SECONDARY

◆ EDUC 210 – Educational Technology .....	2
EDUC 250 – Introduction to Education .....	2
◆ SEED 298 – Pre-Professional Experience: Secondary .....	1
* SEED 398C – Secondary Field Experience: Mentoring in the Classroom.....	1
Secondary Methods Block (18)	
PSYC 353 – Adolescent Psychology .....	3
PSYC 280 – Education of Exceptional Learners .....	3
*SEED 370 – Reading in the Content Areas .....	3



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*SEED 300 – Secondary Curriculum and Effective Teaching.....	3
*SEED 398B – Secondary Methods Block Field Experience.....	2
*EDUC 300 – Teaching for Diversity.....	3
*EDUC 360 – Managing the Learning Environment ..	1
Major or minor methods course (part of major/minor requirements).....	(2-3)
* EDUC 405 – Educational Psychology and Evaluation.....	3
Professional Semester:	
*SEED 498 – Teaching in the Secondary School .....	15
<b>TOTAL SECONDARY</b>	
<b>PROFESSIONAL EDUCATION</b>	
<b>SEMESTER HOURS .....</b>	<b>42</b>

- \* Pre-requisite: Admission to Teacher Education
- ◆ Must be taken in conjunction with EDUC 250 – Introduction to Education

In addition to the above Professional Education Requirements, each discipline requires a methods of teaching class in that particular discipline. Each student with a major and/or minor in a secondary education discipline is required to take the appropriate methods course from the following list:

- EDUC 390E – Health Education Methods
- SEED 390M – Secondary Instrumental Music Methods
- SEED 390P – Methods of Teaching Secondary Physical Education
- SEED 390X – Teaching Secondary School Mathematics
- SEED 490A – Art Methods for Secondary Education
- SEED 490B – Methods in Business Education
- SEED 490C – Computer Science Education Methods
- SEED 490D – Methods of Teaching Social Science
- SEED 490H – Laboratory and Teaching Techniques of Spanish
- SEED 490L – Methods of Teaching Secondary Language Arts
- SEED 490M – Secondary Choral Music Methods
- SEED 490S – Secondary Education Science Methods
- TECH 411 – Curriculum and Methods

### **K-12 LICENSURE**

For K-12 licensure in art, physical education, and music, the following professional education course is required in addition to the Secondary Professional Education Sequence. Please check major areas for additional content courses that may be required.

- ELED 298 – Pre-Professional Experience: Elementary ..... 1

### **MIDDLE SCHOOL ENDORSEMENT COURSES**

Teacher education students interested in obtaining a middle school endorsement for grades 5 - 8 from the North Dakota Education Standards and Practices Board need to contact the chair of the Department of Teacher Education for more information regarding this endorsement. With the department chair's approval, a student with an elementary education major may select course work for the middle school endorsement in lieu of a minor.

## Bachelor of Science in Education Degree Technology Education

### Degree Requirements:

- General Education Courses**
- Major Courses**
- Minor Courses**
- Professional Secondary Education**

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.

**NOTE: The Valley City State University Technology Education course descriptions are available from the Chair of the Department of Teacher Education at Dickinson State University or from the Valley City State University website ([www.vcsu.edu](http://www.vcsu.edu)).**

### **Technology Education Major Courses**

(On-line courses from Valley City State University. Labs will be face-to-face at A.L. Hagen Junior High on selected weekends and evenings.)

The Bachelor of Science in Education degree with a major in Technology Education includes courses in General Education, professional education (secondary education 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**

Courses leading to a major in Technology Education will assist students to develop the following Abilities:

- Collaboration**
- Communication**
- Effective Citizenship**
- Problem Solving**
- Technology**

### Technology Department Learning Outcomes

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.)

## DEPARTMENT OF TEACHER EDUCATION

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.)

### TECHNOLOGY EDUCATION MAJOR COURSES:

**NOTE: Labs will meet on weekends or evenings at the local public school**

TECH 206 – Introduction to Technology Education .....	1
TECH 256 – Resources for Technology .....	2
TECH 256L – Resources for Technology Lab.....	1
TECH 306 – Inventions and Innovations-Technology Education for Children.....	2
TECH 306L – Inventions and Innovations-Technology Education for Children Lab.....	1
TECH 310 – Design, Technology and Engineering for Elementary .....	2
TECH 310L – Design, Technology and Engineering for Elementary Lab .....	1
TECH 330 – Exploring Technology .....	2
TECH 330L – Exploring Technology Lab.....	1
TECH 331 – Innovation and Engineering Design .....	2
TECH 331L – Innovation and Engineering Design Lab.....	1
TECH 371 – Technology Systems.....	2
TECH 371L – Technology Systems Lab .....	1
TECH 411 – Curriculum and Methods .....	2
TECH 416 – Innovations in Technology .....	2
TECH 416L – Innovations in Technology Lab.....	1
TECH 431 – Design for Engineering.....	2
TECH 431L – Design for Engineering Lab.....	1
TECH 456 – Intelligent Machines .....	2
TECH 456L – Intelligent Machines Lab.....	1
Electives:.....	6
TECH 231 – Design Applications.....	3
TECH 241 – Technological Applications.....	3
TECH 242 – Building Math (STEM).....	3
TECH 300 – 3D Modeling and Design.....	2
TECH 300L – 3D Modeling and Design Lab .....	1
TECH 391 – Foundations of Technology .....	2
TECH 391L – Foundations of Technology Lab .....	1
TECH 394 – Independent Study .....	1-3
TECH 450 – Engineering the Future (STEM) .....	3
TECH 471 – Technology and Entrepreneurship .....	2
TECH 471L – Technology and Entrepreneurship Lab .....	1
TECH 478 – Technology Assessment.....	2
TECH 478L – Technology Assessment Lab .....	1
TECH 495 – Senior Problems.....	1-3

Students may also take courses in Business, Computer Information Systems, Computer Science, Mathematics, Science, Instructional Technology, or Elementary Education with approval of the advisor.

**TOTAL SEMESTER HOURS.....36**

## Bachelor of Science Degree Psychology

### Degree Requirements:

**General Education Courses**

**Major Courses**

**Minor Courses**

**Electives**

### STUDENT LEARNING OUTCOMES

Upon completion of an undergraduate major in Psychology, students will:

1. Develop an understanding of themselves. (This learning outcome directly addresses Institutional Learning Outcomes I, III and VI.)
2. Develop an understanding of others. (This learning outcome directly addresses Institutional Learning Outcomes I, III and VI.)
3. Be familiar with the major theories of psychology. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
4. Display a basic competency in research techniques including: (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
  - a. experimental design
  - b. survey procedures
  - c. case study
  - d. behavior analysis
  - e. review of research literature
  - f. statistical analysis.
5. Describe the historical development of psychology as a social science. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
6. Research professional opportunities in psychology including: (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
  - a. careers available at the Baccalaureate level
  - b. careers available at the graduate degree level.
7. Explore graduate school opportunities including: (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)
  - a. university selection
  - b. scholarship/assistantship
  - c. GRE/MAT.
8. Describe the various Lifespan theories and characteristics. (This learning outcome directly addresses Institutional Learning Outcomes III, V and VI.)
9. Summarize the characteristics and etiologies of major psychopathologies. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
10. Summarize the major theories of personality. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
11. Be knowledgeable of major psychometric tests and procedures. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)

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12. Describe the effects of groups on individual behavior. (This learning outcome directly addresses Institutional Learning Outcomes I, II and III.)
13. Develop Reflective Decision-Making skills in the relationship between theories, observations and conclusions. (This learning outcome directly addresses Institutional Learning Outcomes I and V.)
14. Utilize in writing and actions the APA ethical guidelines in psychology. (This learning outcome directly addresses Institutional Learning Outcomes I, II and III.)
15. Develop an appreciation of self and others relative to culture, age, gender, disability, and sexual orientation. (This learning outcome directly addresses Institutional Learning Outcomes I, III, IV and VI.)
16. Describe the importance of different theoretical perspectives in psychology (e.g. behavioral, psychoanalytic). (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
17. Utilize the APA format in research and scholarship. (This learning outcome directly addresses Institutional Learning Outcomes I, II and V.)
18. Learn about psychology in multiple settings; classrooms, laboratories, field experiences, internships, and co-curricular programs (e.g., psychology clubs). (This learning outcome directly addresses Institutional Learning Outcomes I, III and V.)
19. Display transferable skills such as group presentations, writing skills, and project development. (This learning outcome directly addresses Institutional Learning Outcomes I, II, III and V.)

### **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...	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 – Psychology Seminar.....	3
PSYC 497 – Psychology Internship.....	3
MATH 305 – Probability and Statistics .....	4
Electives.....	6
PSYC 240 – Human Sexuality .....	3
PSYC 280 – Education of Exceptional Learners .....	3
PSYC 289H – Group Dynamics .....	3
PSYC 332 – Psychological Assessment.....	3
PSYC 353 – Adolescent Psychology .....	3
PSYC 410 – Counseling Psychology.....	3

**TOTAL SEMESTER HOURS..... 46**

### **Minors**

#### **PSYCHOLOGY MINOR**

(Elementary Education, Secondary Education or Non-teaching)

PSYC 111 – Introduction to Psychology .....	3
*Electives: .....	21
PSYC 240 – Human Sexuality.....	3
PSYC 250 – Developmental Psychology .....	3
PSYC 260 – History and Systems .....	3
PSYC 280 – Education of Exceptional Learners.....	3
PSYC 289H – Group Dynamics .....	3
PSYC 320 – Health Psychology .....	3
PSYC 332 – Psychological Assessment .....	3
PSYC 335 – Biological Psychology .....	3
PSYC 345 – Research and Experimentation in Psychology .....	3
PSYC 353 – Adolescent Psychology .....	3
PSYC 355 – Psychology of Learning .....	3
PSYC 365 – Social Psychology .....	3
PSYC 370 – Abnormal Psychology.....	3
PSYC 375 – Theories of Personality .....	3
PSYC 410 – Counseling Psychology.....	3
PSYC 491 – Psychology Seminar.....	3
PSYC 497 – Psychology Internship.....	3
MATH 305 – Probability and Statistics .....	4

**TOTAL SEMESTER HOURS..... 24**

\*MATH 305 – Probability and Statistics is recommended and will count toward all psychology minors.

\* Teacher Education students may not use EDUC 405 – Educational Psychology and Evaluation to meet the electives requirement.

#### **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.

**(On-line courses from Valley City State University. Labs will be face-to-face at A.L. Hagen Junior High on selected weekends and evenings.)**

TECH 206 – Introduction to Technology Education .....	1
TECH 256 – Resources for Technology .....	2
TECH 256L – Resources for Technology Lab.....	1
TECH 306 – Inventions and Innovation-Technology Education for Children.....	2
TECH 306L – Inventions and Innovation-Technology Education for Children Lab.....	1

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TECH 330 – Exploring Technology .....	2
TECH 330L – Exploring Technology Lab.....	1
TECH 331 – Innovation and Engineering Design .....	2
TECH 331L – Innovation and Engineering Design Lab.....	1
TECH 411 – Curriculum and Methods .....	2
TECH 431 – Design for Engineering.....	2
TECH 431L – Design for Engineering Lab .....	1
TECH 456 – Intelligent Machines .....	2
TECH 456L – Intelligent Machines Lab.....	1
Electives:.....	3
TECH 231 – Design Applications.....	3
TECH 241 – Technological Applications.....	3
TECH 242 – Building Math (STEM).....	3
TECH 300 – 3D Modeling and Design.....	2
TECH 300L – 3D Modeling and Design Lab .....	1
TECH 310 – Design, Technology and Engineering for Elementary.....	2
TECH 310L – Design, Technology and Engineering for Elementary 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 450 – Engineering the Future (STEM) .....	3
TECH 471 – Technology and Entrepreneurship .....	2
TECH 471L – Technology and Entrepreneurship 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 SEMESTER HOURS..... 24**



# DEPARTMENT OF TEACHER EDUCATION

## Dickinson State University Title II Institutional Report For July 1, 2007 to June 30, 2008

To comply with the requirements of Section 207 of Title II of the Higher Education Act, Dickinson State University has provided the following information to the North Dakota Education Standards and Practices Board (NDESPB).

### SECTION I. PASS RATES: A. BASIC SKILLS

#### Single-Assessment Institution –Level Pass-Rate Data: Regular Teacher Preparation Program 2007-2008

Dickinson State University					
Academic Year: July 1, 2007 – June 30, 2008					
Number of program completers: 70 (includes 5 double majors; number of individuals competing the program 65)					
Type of Assessment	Assessment Code Number	# Taking Assessment	# Passing Assessment	Institution Pass Rate	Statewide Pass Rate (calculated by NDESPB)
<i>Basic Skills – ETS Pre-Professional Skills Test (PPST)</i>					
PPST Reading	0710, 5710	60	60	100%	100%
PPST Writing	0720, 5720	51	51	100%	96%
PPST Math	0730, 5730	64	64	100%	100%

The North Dakota Education Standards and Practices Board (NDESPB) require the ETS PRAXIS I Pre-Professional Skills Tests (PPST) in reading, writing, and mathematics for teacher licensure. All applicants for initial licensure must meet or exceed the state cut scores for the PPST reading subtest (173), the PPST writing subtest (173), and the PPST mathematics subtest (170), or meet or exceed a composite score of 516. Students at Dickinson State University are required to pass the PPST basic skills requirement prior to admission to the teacher education program. Each student who takes the PPST must obtain a minimum score of 173 on the reading subtest, 173 on the writing subtest, and 170 on the mathematics subtest, or meet the requirements for a composite score of 516 in order to be eligible for provisional admission. The requirements for a composite score of 516 are a passing score on two of the three subtests with no subtests less than two points from the cut scores of 173 for reading, 173 for writing, and 170 for mathematics.

#### Single-Assessment Institution –Level Pass-Rate Data: Regular Teacher Preparation Program 2004-2005 Third Year Cohort Update

Dickinson State University					
Academic Year: July 1, 2004– June 30, 2005					
Number of program completers: 75 (includes 8 double majors; number of individuals competing the program 67)					

## DEPARTMENT OF TEACHER EDUCATION

Type of Assessment	Assessment Code Number	# Taking Assessment	# Passing Assessment	Institution Pass Rate	Statewide Pass Rate (calculated by NDESPB)
<i>Basic Skills – ETS Pre-Professional Skills Test (PPST)</i>					
PPST Reading	0710, 0711, 5720	67	67	100%	99%
PPST Writing	0720, 0721, 5720	66	66	100%	98%
PPST Math	0730, 0731, 5730	67	67	100%	99%

### B. PROFESSIONAL KNOWLEDGE, ACADEMIC CONTENT AREAS, OTHER CONTENT AREAS

#### Single-Assessment Institution –Level Pass-Rate Data: Regular Teacher Preparation Program 2007-2008

Dickinson State University					
Academic Year: July 1, 2007 – June 30, 2008					
Number of program completers: 70 (includes 5 double majors; number of individuals competing the program 65)					
Type of Assessment	Assessment Code Number	# Taking Assessment	# Passing Assessment	Institution Pass Rate	Statewide Pass Rate (calculated by NDESPB)
<i>Praxis II: Content Tests</i>					
Elementary Education: Curriculum, Instruction, and Assessment	10011	29	29	100%	96%
Principles of Learning and Teaching, Grades K-6	30522	29	29	100%	98%
Art K-12	10133	*	*	*	*
Biology 7-12	20235	*	*	*	*
English 7-12	10041	*	*	*	94%
General Science 7-12	10435	*	*	*	*
History 7-12	10941	*	*	*	88%
Mathematics 7-12	10061	*	*	*	88%
Music K-12	10113	*	*	*	100%
Social Studies 7-12	10081	*	*	*	88%
Spanish K-12	10191	*	*	*	*

\*Data not included in this table due to less than 10 program completers in each of the tests.



## DEPARTMENT OF TEACHER EDUCATION

The North Dakota Education Standards and Practices Board (NDESPB) requires the ETS PRAXIS II content tests for teacher licensure. All initial applicants for elementary licensure must meet or exceed the cut scores for the PRAXIS II Elementary Education: Curriculum, Instruction, and Assessment test 10011 (158) and the PRAXIS II Principles of Learning and Teaching: Grades K-6 test 30522 (162). Initial applicants for secondary licensure must meet or exceed the minimum cut scores for the PRAXIS II in the following subject areas: Art K-12 10133 (146); Biology 7-12 20235 (153); Chemistry 9-12 20245 (147); Composite Science 7-12 10435 (150); Earth Science 7-12 20571 (149); Economics 9-12 10910 (510); English 7-12 10041 (151); Geography 7-12 30920 (530); Government/Political Science 9-12 10930 (490); History 7-12 10941 (151); Math 7-12 10061 (139); Music K-12 10113 (149); Physics 9-12 10265 (132); Social Studies 7-12 10081 (153); Spanish K-12 10191 (155); German K-12 20181 (150); French K-12 10173 (156); Latin K-12 10600 (500). Institutions of higher education in North Dakota submitted test results to the NDESPB for the first time in April 2008 for the year 2006-07, and the NDESPB submitted the state report (including information regarding the state passing rate for tests) to the U.S. Department of Education in October 2008. The PRAXIS II testing is a required component of the Dickinson State University Teacher Education Program, and must be passed prior to graduation or program completion.

### **SECTION II. PROGRAM INFORMATION:**

(A) Number of students in the regular teacher preparation program:

1. Total number of students enrolled during 2007-2008: 147 (Full time =128, Part time =19) (Includes students whose major field of study is education.)

(B) Information about supervised student teaching:

2. Number of students in programs of supervised student teaching during academic year 2007-2008: 77.5
3. Number of supervising faculty who were:  
Appointed full-time in professional education: 2.40 FTE  
Appointed part-time in professional education and full-time in the institution: 0 FTE  
Appointed part-time in professional education, not otherwise employed by the institution: 1.93 FTE  
Total number of supervising faculty for the teacher preparation program during 2007-2008: 4.33 FTE
4. The student/faculty ratio was (divide the total given in B2. by the number given in B3.): 17.90
5. The average number of hours per week required of student participation in supervised student teaching in these programs was: 40\* hours. The total number of weeks of supervised student teaching required is 14.

The total number of hours required is: 560\* hours.

*\*NOTE: In addition, students spend considerable time during evenings and weekends grading assignments and preparing for new lessons.*

(C) Information about state approval or accreditation of teacher preparation programs:

6. Is your teacher preparation program currently approved or accredited by the state? X Yes \_\_\_ No
7. Is your teacher preparation program currently under a designation as "low-performing" by the state (as per section 208 (a) of the HEA of 1998)? \_\_\_ Yes X No

### **SECTION III. CONTEXTUAL INFORMATION (OPTIONAL):**

- The College of Education, Business, and Applied Sciences at Dickinson State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue NW, Suite 500, Washington, DC 20036; phone (202) 466-7496. This accreditation covers the institution's initial teacher preparation programs.
- The teacher education program is approved/accredited by the North Dakota Education Standards and Practices Board (ESPB), 2718 Gateway Ave., Suite 303, Bismarck ND 58503-0585, phone (701) 328-9641.
- The Teacher Education Program conceptual framework is "Teachers as Reflective Decision-Makers." Throughout the curriculum, emphasis is placed on helping prospective teachers to become effective decision-makers who base decisions on a well-developed philosophy of education.
- All Teacher Education students are required to prepare and submit portfolios as part of the assessment process. The portfolios are related to the student learning outcomes that have been identified for the Teacher Education Program. The portfolio development process begins in the sophomore year and continues through the senior year. Students complete their portfolios electronically using LiveText software.
- In addition to delivering the full Teacher Education program in Dickinson, Dickinson State University works collaboratively with Bismarck State College to deliver the Dickinson State University Bachelor of Science in Education degree with a major in Elementary Education and secondary education teaching majors in English, Composite Social Science, History, and Mathematics on the Bismarck State College campus in Bismarck, North Dakota.

# **OFFICE OF EXTENDED LEARNING**

## **STAFF**

Full-time Staff: Director - pending; Beckman, Erickson, Fields, Fossam, Heringer, Obritsch, Roth, Small, Sparks, Stevens, Stickel, Wilkinson, Willer.

## **FACULTY**

Full-time Faculty: Aronson, Barnes, Bowen, Gibson, Voutsas.

## **PURPOSE**

Dickinson State University recognizes that education is a lifelong process. The role of the Office of Extended Learning is to extend available University resources beyond the campus and traditional offerings. Through a cooperative and coordinated effort, the Office of Extended Learning develops programs, courses, and workshops to provide individuals with skills to remain or advance in the workforce and to meet the needs for continued professional education. Programs include DSU Online, Dickinson State University Evening Programs, and two-plus-two programs at Bismarck State College and Williston State College.

## **OBJECTIVES**

1. Provide students returning to college with sound academic programs in a flexible format to meet their educational needs.
2. Prepare students with the education and skills necessary for employment.
3. Recognize that learning takes place on the job and in the world and connect it to the college experience.
4. Recognize the needs of life-long learners and establish education programs to meet those needs.
5. Recognize the changing needs of the workforce and develop programs and training to meet those needs.
6. Be a leader in meeting the future education needs of students, including scheduling and availability of information in technical models that allows 24/7 learning.

## **LOCATIONS AND DEGREE PROGRAMS**

### **DSU ONLINE**

- Associate in Arts
- Associate in Science in Agriculture Sales and Service
- Bachelor of Applied Science
- Bachelor of Science in Business Administration
- Bachelor of Science in Finance
- Bachelor of Science in Human Relations
- Bachelor of Science in International Business
- Bachelor of University Studies

### **DICKINSON STATE UNIVERSITY EVENING PROGRAMS**

- Associate in Arts
- Bachelor of Applied Science
- Bachelor of University Studies
- Interest Courses

## **CERTIFICATES**

- Entrepreneurship
- Entrepreneurial Leadership
- Human Resource Management

## **BISMARCK STATE COLLEGE SITE**

- Bachelor of Applied Science
- Bachelor of Arts in Composite Social Science
- Bachelor of Arts in English
- Bachelor of Science in Accounting
- Bachelor of Science in Computer Science
- Bachelor of Science in Computer Technology Management
- Bachelor of Science in Education: Composite Social Science Education
- 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: Math Education
- Bachelor of Science in Finance
- Bachelor of Science in Human Resource Management
- Bachelor of Science in International Business
- Bachelor of University Studies

## **WILLISTON STATE COLLEGE SITE**

- Bachelor of University Studies
- Bachelor of Applied Science

### **Online Minors:**

- Business Administration
- Equine
- Human Resource Management
- International Business
- Management

## **BISMARCK STATE COLLEGE SITE:**

### **Education Minors/Endorsements**

- English Education Minor (Secondary Education)
- History Education Minor (Secondary Education)
- History Minor (Elementary Education)
- Math Education Minor Elementary
- Math Education Minor Secondary
- Middle School Endorsement Courses
- Computer Science Education Minor (Secondary Education)
- Kindergarten Endorsement
- Reading Credential
- Psychology Minor (Elementary or Secondary Education)
- Social Science Education Minor (Secondary Education)

## **GENERAL MINORS**

- Accounting
- Banking and Finance
- Business Administration
- Computer Science-Information Technology
- Computer Science-Traditional
- English
- Entrepreneurship
- History
- Human Resource Management

## OFFICE OF EXTENDED LEARNING

- International Business
- Management
- Management Information Systems
- Math
- Psychology

### DELIVERY METHODS

- Block Classes (8 weeks)
- Day and Evening Offerings
- Face to Face
- Hybrid (A combination of online, face to face, and/or IVN)
- Immersion Coursework Offered
- Compressed Time Frame
- 1 - 3 Credits
- Individual or Group Extension Courses
- Interactive Video Network
- Online
- On-site Classes
- Weekends, Weekdays, Summer

### Degrees Offered through the Office of Extended Learning

#### ASSOCIATE IN ARTS DEGREE

Important: See page 40 for more information on this program.

General Education (See page 55).....	39
Electives.....	24
<b>Total Semester Hours (minimum needed for graduation) .....</b>	
<b>64</b>	

Freshman Seminar or Strategies for Success .....1  
 \*NDUS GERTA Policy applies (See page 54)

The Associate of Arts (A.A.) degree program provides adults with an excellent foundation in the liberal arts while preparing them for continued studies. The curriculum develops the adult learner's sensitivity to human values and capacity for critical thinking.

- Available Online and Evening College in Dickinson

Dickinson Contacts:

Phone: 701-483-2166  
 Toll Free: 1-866-496-8797  
 Fax: 701-483-2028 or 701-483-2385  
[Yvonne.Roth@dickinsonstate.edu](mailto:Yvonne.Roth@dickinsonstate.edu)  
[Stacy.Wilkinson@dickinsonstate.edu](mailto:Stacy.Wilkinson@dickinsonstate.edu)

#### ASSOCIATE IN SCIENCE DEGREE IN AGRICULTURE SALES AND SERVICE EQUINE OPTION

Important: See page 39 for more information on this program.

General Education (See page 55).....	39
Major Courses.....	9
Equine Courses .....	20
<b>Total Semester Hours (minimum needed for graduation) .....</b>	
<b>68</b>	

Strategies for Success .....1  
 \*NDUS GERTA Policy applies (See page 54)

This degree is designed to give students the knowledge and confidence to compete in the growing equine field. Courses offer the convenience and flexibility of the online environment through lecture notes, audio, and video to provide students with the skills needed to be successful.

- Available Online and Evening College in Dickinson

Dickinson Contact:

Phone: 701-483-2166  
 Toll Free: 1-866-496-8797  
 Fax: 701-483-2028 or 701-483-2385  
[Yvonne.Roth@dickinsonstate.edu](mailto:Yvonne.Roth@dickinsonstate.edu)

#### BACHELOR OF APPLIED SCIENCE DEGREE

Completed an A.A.S. Degree.....	60 - 64
General Education (See page 55).....	39
Major Courses.....	36
Electives.....	As Needed

**Total Semester Hours (depending on General Education completion).....128 (128 hours minimum needed for graduation)**

Strategies for Success .....1  
 \* NDUS GERTA Policy applies (See page 54)

This degree allows students to add management courses to their Associate of Applied Science degree while using the technology portion of the first degree to serve as the major for the bachelor's degree.

- Available Online, at Bismarck, Williston and Evening College in Dickinson

# OFFICE OF EXTENDED LEARNING

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[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

## BACHELOR OF ARTS DEGREE IN COMPOSITE SOCIAL SCIENCE

Important: See page 39 for more information on this program.

General Education (See pages 55) .....	39
Major Courses .....	60
Minor.....	24
Foreign Language .....	16
<b>Total Semester Hours (minimum needed for graduation) .....</b>	<b>139</b>

Strategies for Success .....1  
 \* NDUS GERTA Policy applies (See page 54)

Graduate programs in all of the social sciences and many other disciplines will look favorably on your understanding of human behavior from multiple perspectives. A degree also helps prepare you for such options as law school, medical school, or social work. You might decide to work in various organizations that are concerned with policy making centered on helping people.

- Available in Bismarck

Bismarck Contacts:

Phone: 701-224-5631  
 Fax: 1-701-224-5745  
[Chris.Heringer@dickinsonstate.edu](mailto:Chris.Heringer@dickinsonstate.edu)  
[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

## BACHELOR OF ARTS DEGREE IN ENGLISH

Important: See page 39 for more information on this program.

General Education (See page 55).....	39
Major Courses .....	40
Minor.....	21-24
Foreign Language .....	16
Electives.....	9-12
<b>Total Semester Hours (minimum needed for graduation) .....</b>	<b>128</b>

Strategies for Success .....1  
 \* NDUS GERTA Policy applies (See page 54)

The Bachelor of Arts Degree with a Major in English stresses literary analysis, diversity, critical thinking, and written and oral communication skills through a rigorous curriculum of literature, composition, language and linguistics, and communication studies.

- Available in Bismarck

Bismarck Contacts:

Phone: 701-224-5631  
 Fax: 1-701-224-5745  
[Chris.Heringer@dickinsonstate.edu](mailto:Chris.Heringer@dickinsonstate.edu)  
[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

## BACHELOR OF ARTS DEGREE IN HISTORY

Important: See page 39 for more information on this program.

General Education (See page 55).....	39
Major Courses.....	32
Minor.....	24
Foreign Language .....	16
Electives.....	17
<b>Total Semester Hours (minimum needed for graduation) .....</b>	<b>128</b>

Individuals pursuing a Bachelor of Arts Degree in History will have a general understanding of diverse cultures, civilizations, and religious beliefs which have impacted the course of world history.

- Available in Bismarck

Bismarck Contacts:

Phone: 701-224-5631  
 Fax: 1-701-224-5745  
[Chris.Heringer@dickinsonstate.edu](mailto:Chris.Heringer@dickinsonstate.edu)  
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## OFFICE OF EXTENDED LEARNING

### **BACHELOR OF ARTS DEGREE IN ACCOUNTING**

Important: See page 39 for more information on this program.

General Education (See pages 55) .....	43
Pre Major courses .....	15
Business Core .....	34
Accounting Core .....	34
Electives .....	2
<b>Total Semester Hours .....</b>	<b>128</b>

A cumulative GPA of 2.25 or higher is required for graduation.

\* NDUS GERTA Policy applies (See page 54)

This degree prepares an individual for an accounting career in a corporate, non-profit, or government organization.

The program focuses on broad business skills as well as specialized knowledge in financial and cost accounting, tax accounting, auditing, and other critical areas.

- Available in Bismarck

Bismarck Contact:

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### **BACHELOR OF SCIENCE DEGREE BUSINESS ADMINISTRATION**

Important: See page 39 for more information on this program.

General Education (See pages 55) .....	43
Pre Major courses .....	15
Business Core .....	34
Minor .....	26
Electives .....	10
<b>Total Semester Hours .....</b>	<b>128</b>

Strategies for Success .....

\*NDUS GERTA Policy applies (See page 54)

The degree requirements are designed to prepare students for careers in business, with specific emphasis placed on management skill development. Graduates will have an understanding of the mechanics of business that are crucial for success in today's fast-paced, competitive job market. They will be prepared for successful careers in industry, government, education, health services, and non-profit organizations.

- Available Online and Evening College in Dickinson

Dickinson Contacts:

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[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

### **BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE**

Important: See page 39 for schedule of rotation.

General Education (See page 55).....	39
Major Courses .....	67
Minor.....	22
<b>Total Semester Hours (minimum needed for graduation) .....</b>	<b>128</b>

\* NDUS GERTA Policy applies (See page 54)

Note: Some courses fulfill more than one of the above areas.

Computer scientists study the design, implementation, performance, and usability of computer systems. Students acquire a strong foundation in problem-solving and software development.

- Available in Bismarck

Bismarck Contacts:

Phone: 701-224-5631  
 Fax: 1-701-224-5745  
[Chris.Heringer@dickinsonstate.edu](mailto:Chris.Heringer@dickinsonstate.edu)  
[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

### **BACHELOR OF SCIENCE DEGREE IN COMPUTER TECHNOLOGY MANAGEMENT**

Important: See page 39 for more information on this program.

General Education (See page 55).....	39
Major Courses .....	55
Minor.....	24
Electives .....	10
<b>Total Semester Hours (minimum needed for graduation) .....</b>	<b>128</b>

## OFFICE OF EXTENDED LEARNING

Strategies for Success .....1

\*NDUS GERTA Policy applies (See page 54)

Note: Some courses fulfill more than one of the above areas.

This degree prepares students to create effective strategies for the future of computer technology in an enterprise. This involves planning, budgeting, and knowledge of trends in computer hardware and software.

- Available in Bismarck

Bismarck Contacts:

Phone: 701-224-5631

Fax: 1-701-224-5745

[Chris.Heringer@dickinsonstate.edu](mailto:Chris.Heringer@dickinsonstate.edu)

[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

### **BACHELOR OF SCIENCE IN EDUCATION DEGREE IN ELEMENTARY EDUCATION**

Important: See page 39 for more information on this program.

General Education (See page 55).....40

Major Courses .....73

Two Concentrations (Minimum of 12 semester hours each) 24

**Total Semester Hours (minimum  
needed for graduation) .....137**

\* NDUS GERTA Policy applies (See page 54)

**NOTE:** Due to licensure requirements, there may be additional Elementary Education General Education classes that need to be completed. Contact the Chair of the Department of Teacher Education for more information.

The Bachelor of Science in Education Degree in Elementary Education is a program designed for any individual seeking a teaching certificate and interested in the education of children in the Grade K-8 setting.

- Available in Bismarck

Bismarck Contact:

Phone: 701-224-5631

Fax: 1-701-224-5745

[Louella.Aronson@dickinsonstate.edu](mailto:Louella.Aronson@dickinsonstate.edu)

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

Important: See page 39 for more information on this program.

General Education (See page 55).....39

Major Courses .....72

Secondary Professional Education Sequence .....38

**Total Semester Hours .....149**

\* NDUS GERTA Policy applies (See page 54)

This degree prepares students for a teaching career in social science subjects.

- Available in Bismarck

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[LoriGibson@dickinson.edu](mailto:LoriGibson@dickinson.edu)

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

Important: See page 39 for more information on this program.

General Education (See page 55).....39

Major Courses .....40

Minor.....24

Professional Secondary Education Sequence .....42

**Total Semester Hours (minimum  
needed for graduation) .....145**

\* NDUS GERTA Policy applies (See page 54)

This degree prepares students for a teaching career in English.

- Available in Bismarck

Bismarck Contact:

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[Louella.Aronson@dickinsonstate.edu](mailto:Louella.Aronson@dickinsonstate.edu)

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## OFFICE OF EXTENDED LEARNING

### **BACHELOR OF SCIENCE IN EDUCATION DEGREE IN HISTORY EDUCATION**

Important: See page 39 for more information on this program.

General Education (See page 55).....	39
Major Courses.....	45
Minor Courses.....	24
Secondary Professional Education Sequence .....	42
<b>Total Semester Hours (minimum needed for graduation) .....</b>	<b>150</b>

\* NDUS GERTA Policy applies (See page 54)

This degree prepares students for a teaching career in history.

- Available in Bismarck

Bismarck Contact:

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### **BACHELOR OF SCIENCE DEGREE IN MATH EDUCATION**

Important: See page 39 for more information on this program.

General Education (See page 55).....	39
Major Courses.....	44
Minor.....	24
Secondary Professional Education Sequence .....	37
<b>Total Semester Hours .....</b>	<b>144</b>

\* NDUS GERTA Policy applies (See page 54)

Note: Some courses fulfill more than one of the above areas.

This degree prepares students for a teaching career in mathematics.

- Available in Bismarck

Bismarck Contact:

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Fax: 1-701-224-5745  
[Louella.Aronson@dickinsonstate.edu](mailto:Louella.Aronson@dickinsonstate.edu)  
[LoriGibson@dickinson.edu](mailto:LoriGibson@dickinson.edu)

### **BACHELOR OF SCIENCE DEGREE IN FINANCE**

Important: See page 39 for more information on this program.

General Education (See pages 55) .....	43
Pre-major courses.....	15
Business Core .....	34
Finance Core .....	34
Electives .....	2
<b>Total Semester Hours .....</b>	<b>128</b>

A cumulative GPA of 2.25 or higher is required for graduation.

\* NDUS GERTA Policy applies (See page 54)

This degree will help students develop knowledge of financial management and enhance interpersonal and professional skills. Students will learn new methods to improve organizational effectiveness and acquire the tools to advance as financial service professionals.

- Available Online, at Bismarck, and Evening College in Dickinson

Dickinson Contacts:

Phone: 701-483-2166  
Toll Free: 1-866-496-8797  
Fax: 701-483-2028 or 701-483-2385  
[Yvonne.Roth@dickinsonstate.edu](mailto:Yvonne.Roth@dickinsonstate.edu)  
[Stacy.Wilkinson@dickinsonstate.edu](mailto:Stacy.Wilkinson@dickinsonstate.edu)

Bismarck Contacts:

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[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

### **BACHELOR OF SCIENCE DEGREE IN HUMAN RESOURCE MANAGEMENT**

Important: See page 39 for more information on this program.

General Education (See pages 55) .....	43
Pre Major courses .....	15
Business Core .....	34
Human Resource Core .....	24
Electives .....	12
<b>Total Semester Hours .....</b>	<b>128</b>

A cumulative GPA of 2.25 or higher is required for graduation.

\* NDUS GERTA Policy applies (See page 54)

## OFFICE OF EXTENDED LEARNING

This degree will provide individuals with the human resource management skills required to work effectively at a professional level in a continually changing human resource environment.

- Available Online, at Bismarck, and Evening College in Dickinson

**Dickinson Contacts:**

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 Toll Free: 1-866-496-8797  
 Fax: 701-483-2028 or 701-483-2385  
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[Stacy.Wilkinson@dickinsonstate.edu](mailto:Stacy.Wilkinson@dickinsonstate.edu)

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[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

### **BACHELOR OF SCIENCE DEGREE IN INTERNATIONAL BUSINESS**

Important: See page 39 for more information on this program.

General Education (See pages 55) .....	43
Pre Major courses .....	15
Business Core .....	34
International Business Core .....	24
Electives .....	12
<b>Total Semester Hours .....</b>	<b>128</b>

A cumulative GPA of 2.25 or higher is required for graduation.  
 \* NDUS GERTA Policy applies (See page 54)

Now, more than ever, it is imperative that business employees can effectively interact with persons of different backgrounds and cultures. International business students take courses focusing not only on international relations and economics, but also on beliefs, culture, politics and social systems.

- Available Online, at Bismarck, and Evening College in Dickinson

**Dickinson Contacts:**

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 Fax: 701-483-2028 or 701-483-2385  
[Yvonne.Roth@dickinsonstate.edu](mailto:Yvonne.Roth@dickinsonstate.edu)  
[Stacy.Wilkinson@dickinsonstate.edu](mailto:Stacy.Wilkinson@dickinsonstate.edu)

**Bismarck Contacts:**

Phone: 701-224-5631  
 Fax: 1-701-224-5745  
[Chris.Heringer@dickinsonstate.edu](mailto:Chris.Heringer@dickinsonstate.edu)  
[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

### **BACHELOR OF UNIVERSITY STUDIES DEGREE**

Important: See page 39 for more information on this program.

General Education (See pages 55) .....	39
Level 300 and above .....	32
Electives .....	57
(NOTE: Residency Requirements (from DSU) .....	32)
<b>Total Semester Hours .....</b>	<b>128</b>

\*NDUS GERTA Policy applies (See page 54)

This degree provides maximum flexibility for students who wish to determine the content of their degree rather than pursue a specific major. It can be used for entry into a wide variety of occupations or serve as a bridge to numerous graduate degree programs. This degree also prepares students for employment in areas not requiring specific baccalaureate degrees. The area of emphasis or concentration can be tailored to prepare students for entry into a particular career area.

- Available Online, in Bismarck, Williston and Evening College in Dickinson

**Dickinson Contacts:**

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 Toll Free: 1-866-496-8797  
 Fax: 701-483-2028 or 701-483-2385  
[Yvonne.Roth@dickinsonstate.edu](mailto:Yvonne.Roth@dickinsonstate.edu)  
[Stacy.Wilkinson@dickinsonstate.edu](mailto:Stacy.Wilkinson@dickinsonstate.edu)

**Bismarck Contacts:**

Phone: 701-224-5631  
 Fax: 1-701-224-5745  
[Chris.Heringer@dickinsonstate.edu](mailto:Chris.Heringer@dickinsonstate.edu)  
[Nicole.Stevens@dickinsonstate.edu](mailto:Nicole.Stevens@dickinsonstate.edu)

**ALTERNATIVE CREDIT OPTIONS:**

- Must take ASC 400: Portfolio Preparation
- 12 credits from Dickinson State University must be earned before Alternative Credit options can be transcribed.
- All Alternative credit options are graded Satisfactory/Unsatisfactory (S/U)
- A maximum of 30 credits can be granted
- A recording fee per semester hour

**AVAILABLE CREDITS ARE:**

- Armed Service Credit (up to 10 semester hours)
- Attached Credit (up to 12 semester hours)
- CLEP (up to 15 semester hours)
- Experiential Learning Credit (up to 30 semester hours)
- Service Learning (up to 6 hours)

## **OFFICE OF EXTENDED LEARNING**

### **ARMED SERVICE CREDIT**

Dickinson State University may grant college credit to students who have completed specific courses of instruction while on active duty in the armed services. Credit granted will be based on the recommendations of the American Council on Education's publication "Guide to Evaluation of Educational Experiences in the Armed Services." The maximum number of semester hours is 10.

### **ATTACHED CREDIT**

Credit may be awarded for educational workshops and/or training which has a direct correlation between the content of the training received and the general curriculum of a specific department at Dickinson State University. Credit will be awarded at the discretion of the appropriate department chair. The amount of credit will vary based upon a number of factors, which may include the academic rigor of the training and/or the length of the training or workshop. Generally, one semester hour of credit is awarded for each 16 hours of seat time.

**NOTE:** All attached credit will be designated under Special Topics 299/499.

### **CLEP**

Dickinson State University accepts certain CLEP Examinations for credit. A maximum of 15 semester hours may be applied to a four-year degree, and 8 semester hours to a two-year degree. See Registrar for current list of acceptable CLEP tests.

### **EXPERIENTIAL LEARNING CREDIT**

The following policy guidelines exist for students interested in receiving Experiential Learning Credit:

- Credit will be granted only for courses identified in the Dickinson State University catalog in total hours.
- Experiential Learning credits will be granted only on a pass/fail basis.
- The maximum number of hours granted for experiential learning credit is 30 semester hours.

### **ACADEMIC STANDARDS FOR EXPERIENTIAL LEARNING:**

- A portfolio which demonstrates learning needs to be developed by the student in specific DSU course areas and submitted to The Dickinson State University Office of Extended Learning.
- Credit will be awarded for learning and not just for experience.
- Credit must be appropriate to the academic context in which it was accepted.
- Dickinson State University allows up to 15 semester hours of S/U credit towards an AA degree.
- Dickinson State University allow up to 30 semester hours of S/U credits towards a BUS degree.

### **SERVICE LEARNING**

Credit may be awarded for extra-curricular university or community volunteer service activities (on-campus or off-

campus), which were completed within the current semester of enrollment and can be tied to an existing course in the university catalog. Service learning experiences will be arranged through the appropriate department chair and credit will be awarded at the chair's discretion. The amount of credit will vary. The maximum number of semester hours is six.

**NOTE:** Credit cannot be designated and transcribed under Special Topics 299/499.

### **TRANSFER CREDIT**

- Up to 48 semester equivalent hours from a regionally accredited institution for an AA degree.
- Up to 96 semester equivalent hours from a regionally accredited institution for a BUS degree.

### **OTHER SERVICES AVAILABLE**

- Interactive Video Network (IVN)
- Dual Credit Coursework
- Graduate Continuing Education
- Community Workshops
- West River Teacher Center (WRTC)
- General Information

### **INTERACTIVE VIDEO NETWORK (IVN)**

The North Dakota Interactive Video Network (NDIVN) serves Dickinson State University. This electronic delivery system allows individuals additional opportunities to participate in the programs of the Office of Extended Learning and that of the North Dakota University System (NDUS).

### **Programs Offered through NDUS and IVN:**

MBA through the University of North Dakota  
Educational Leadership through Tri-College  
Masters in School Counseling

### **Courses Offered:**

Management  
Education  
Social Work

### **Community Offerings:**

Special meetings, events and seminars

### **DUAL CREDIT COURSEWORK**

High school students earn college credit while still in high school through Dickinson State University partnerships with local high school students. The Office of Extended Learning assists in recruiting schools and students as well as informing parents of the availability of dual credit at their local high school.

### **GRADUATE CONTINUING EDUCATION**

Graduate Continuing Education credit is brokered through the North Dakota University System for teachers through the West River Teacher Center. Extensive work is done to collaborate with other entities or grant projects to offer the courses at a reduced price for educators.

## **OFFICE OF EXTENDED LEARNING**

### **COMMUNITY WORKSHOPS/SEMINARS**

The Office of Extended Learning serves as conference manager for workshops/seminars for the local community. Topics include leadership, management, diversity, demographic concerns, entrepreneurship, education issues and current issues of concern to the region and communities that Dickinson State University serves. These seminars are a vital part of the commitment of Dickinson State University to the region.

### **WEST RIVER TEACHER CENTER (WRTC)**

The West River Teacher Center, located in the Office of Extended Learning, 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 K-12 teachers, administrators, and support staff in eight counties of southwestern North Dakota. It also serves as a valuable resource for Dickinson State University teacher education students.

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; guest speakers, conferences and festivals for students; programs for parents and children; regular newsletters; and referral services.

The West River Teacher Center's curriculum and resource collection contain a variety of printed materials, video materials, computer software and learning kits that are available for checkout by Center members. Members can also use the Ellison Die Cut Machine at no charge. For information, call 701-483-2166 or 1-866-496-8797.

### **GENERAL INFORMATION**

Enrollment in courses and programs offered through the Office of Extended Learning is accepted by mail, email, fax, telephone or in person. Advising is available for all students and the Office of Extended Learning is a location for a one-stop student services. Information and requests concerning any Office of Extended Learning programs or activities may be directed to:

#### **Dickinson Site**

Joanne Beckman – (701) 483-2166  
Joanne.Beckman@dickinsonstate.edu

Kay Erickson – (701)483-2166  
Kay.Erickson@dickinsonstate.edu

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Anthony Willer – (701)483-2166  
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Nicole Stevens – (701)224-5631  
Nicole.Stevens@dickinsonstate.edu

Kostas Voutsas – (701)224-5631  
Konstandinos.Voutsas@dickinsonstate.edu

Website: [www.dsu.nodak.edu/distance.asp](http://www.dsu.nodak.edu/distance.asp)

## 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 uses of accounting information by managers. Pre-requisite: ACCT 200 – Elements of Accounting I. Fall, Spring.

### **ACCT 210 – Accounting Club ..... 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. The club is for any student who is enrolled as an accounting major or minor or considering becoming an accounting major or minor. S/U grading only. Fall, Spring.

### **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. Pre-requisite: 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. Pre-requisite: ACCT 201 – Elements of Accounting II. Fall.

### **ACCT 310 – Government and Non-profit Accounting ..... 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. Pre-requisite: ACCT 332 – Intermediate Accounting II. Spring.

### **ACCT 315 – Business Law I ..... 3**

Introduces the student to the legal environment and examines the law of contracts and properties. Pre-requisite: Business Administration majors must complete all Pre-Major courses with a "C" or better. 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 preparations of financial statements, and detailed ratio analysis of statements. Pre-requisite: 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. Pre-requisite: 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. Pre-requisite: 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. Pre-requisite: 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. Pre-requisite: 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. Pre-requisite: 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. Pre-requisite: ACCT 201-Elements of Accounting II.

### **ACCT 365 – White Collar Crime ..... 3**

This course will include a discussion of the general principles of white collar criminal prosecution and defense. There will be an emphasis placed on fraud and political corruption crimes (mail fraud, bank fraud, and crimes involving bribery of public officials), conspiracy, financial and securities fraud, tax fraud, currency reporting crime and money laundering. We will also discuss regulatory crimes in the health and environmental

areas and crimes involving the protection of federal rights and functions. Finally there will be a discussion of the sanctions surrounding these crimes, including the Federal Sentencing Guidelines and the Racketeer Influenced and Corrupt Organizations Act. Prerequisite: ACCT 351 – Fraud Examination. Spring.

**ACCT 406 – Advanced Accounting ..... 3**

A study of specialized problems in accounting. The course addresses accounting for partnerships, foreign currency transactions and business combinations. Pre-requisite: ACCT 332 – Intermediate Accounting II. Fall.

**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. Pre-requisite: 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 standards. 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 and 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 – Audit 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. Pre-requisite: 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. Fall.

**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. Pre-requisite: 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. Pre-requisites: FIN 326 – Managerial Finance and ACCT 406 – Advanced Accounting.

**ACCT 291, 491 – Accounting Seminar..... 1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**ACCT 292, 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 293, 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 six credits may be applied to graduation.)

**ACCT 294, 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.

**ACCT 295, 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.

**ACCT 296, 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 297, 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 what 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, 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.

## **AGRICULTURE**

The Department of Agriculture and Technical Studies is exempt from the Dickinson State University's course numbering system due to common course numbering in agriculture within the North Dakota University System.

**AGEC 142 – Agricultural Accounting.....3**

An introduction to the preparation of farm records and financial statements for use in business analysis. Fall.

**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. Pre-requisite: Permission of the instructor. Fall, Spring (Online).

**AGEC 246 – Introduction to Agricultural Finance .....3**

Provides background in farm and agri-business credit use and evaluation. Discussion of specific financial conditions on farms and in agri-business. Spring.

**AGEC 342 – Introduction to Agricultural Management ...3**

Economic and managerial concepts related to farm or agri-business production process development or cost data, enterprise analysis, organization, and management of production inputs. Pre-requisite: AGEC 246 – Introduction to Agricultural Finance or permission of the instructor. Spring.

**AGEC 374 – Cooperatives.....3**

Theory, practice, and evaluation of cooperatives including principles, management, marketing, finance, taxes, legal issues, and adjusting to change. Spring, even years.

**AGEC 375 – Applied Agricultural Law .....3**

Study of laws affecting agriculture and agri-business including property ownership, financial relations, and environmental regulation. Spring, even years.

**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. Pre-requisite: AGEC 244 – Introduction to Agricultural Marketing or permission of the instructor. Spring.

**AGRI 115 – Agriculture Math .....2**

Students will apply practical math skills to master mathematical concepts intrinsic to producing, processing, and marketing agricultural products. Offered on Demand.

**AGRI 118 – Agriculture Leadership Practicum.....1**

Active participation in Ag Club will enhance leadership, employment, and organizational skills. The student will be exposed to competition in salesmanship, employment interview, career planning, and crop and livestock production. May be repeated to earn eight semester hours with two accepted as electives toward graduation with A.A.S. degree. Fall, Spring.

**AGRI 280 – Technology in Agriculture.....3**

An introduction to technology in modern agriculture including: computer and software advances, internet resources, geographical information system (GIS) and global positioning system (GPS). Computer software programs include: ration evaluation or balancing, herd management, financial management, and ArcGIS. GPS will be introduced both in the classroom and through field exercises. Fall.

**AGRI 292, 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 293, 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 294, 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. 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.

**AGRI 295, 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.

**AGRI 296, 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 297, 497 – Agriculture 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. Fall, Spring, Summer.

**AGRI 299, 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.

**AGRI 391 – Junior Seminar ..... 2**

Junior Seminar, combined with the subsequent Agriculture Seminar, 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 select a project, research existing information, design their investigation, author the introduction and procedures and seek funding, if applicable. The 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. Spring

**AGRI 491 – Agriculture Seminar ..... 1-6**

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. Pre-requisite: Senior standing. Fall. Cross listed with RNG 491.

**ANSC 114 – Introduction to Animal Science ..... 3**

An introduction to the recommended management and production practice for food producing animals. Fall.

**ANSC 123 – Feeds and Feeding ..... 3**

The class objective is to clarify the principles of animal nutrition, common livestock feeds, and proper feeding of livestock. Specifically; nutrient groups and characteristics,

digestive systems, animal requirements, feed analysis, common feedstuffs, ration formulation, and feeding of the different classes of beef animals, will be covered extensively with additional information on equine, dairy, swine, and poultry nutrition presented. Fall.

**ANSC 160 – Equine Nutrition ..... 2**

This class is designed to develop an understanding of the factors involved in meeting the nutritional needs of horses in various stages of development or performance. This is a practical approach to nutrition. Fall.

**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.

**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.

**ANSC 163 – Equine Health and Diseases ..... 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.

**ANSC 164 – Equine Behavior, Ground Work 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.

**ANSC 220 – Livestock Production ..... 3**

General production and management of major meat animal species. Topics include: production systems, feeding, facilities, health economics, and marketing. Spring.

**ANSC 247 – Processing of Meat Animal Carcasses ..... 3**

Processing of meat animal carcasses into National Association of Meat Purveyors (NAMP) wholesale and retail cuts. Offered on Demand.

**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 & 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.

**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.

**ANSC 263 – Stallion Management .....2**

This course will cover selection, promotion, semen evaluation, insurance, handling and care. Spring.

**ANSC 265 – Equine Marketing .....2**

Students will study methods of marketing horses. Methods of marketing a breeding program will be covered, as well as preparing and marketing the individual horse. Pre-requisite: ANSC 161 – Equine Business Management. Spring.

**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. Pre-requisite: ANSC 164 – Equine Behavior, Ground Work and Safety. Fall.

**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. Pre-requisite: ANSC 164 – Equine Behavior, Ground Work and Safety and ANSC 261 – Basic Equitation and Horsemanship. Fall.

**ANSC 270 – Equine Training Theory .....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 assignments and write term papers. Students will also career shadow a local trainer and attend a local horse-related event. Pre-requisite: ANSC 164 – Equine Behavior, Ground Work and Safety. Fall, Spring.

**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. Pre-requisite: ANSC 270 – Equine Training Theory I. Fall, Spring.

**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. Pre-requisite: Student must have access to a horse and ANSC 164 – Equine Behavior, Ground Work and Safety. Fall, Spring.

**ANSC 273 – Equine Training Techniques II .....2**

This course is the second in a four-part series introducing students to the 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. Pre-requisite: Students must have access to a horse competent enough to complete exercises from ANSC 272 – Equine Training Techniques I. Fall, Spring.

**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. Pre-requisite: ANSC 273 – Equine Training Techniques II and have access to a horse competent enough to complete exercises from ANSC 272 and ANSC 273. Fall, Spring.

**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 the 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. Pre-requisite: 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. Fall, Spring.

**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. Pre-requisites: ANSC 261. Spring.

**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. Pre-requisite: ANSC 268. Spring.

**ANSC 420 – Animal Genetics and Applied Animal Breeding.....3**  
Application of genetic principles to livestock improvement. Provides an overview of the genetic basis of selection and systems of mating and applied them to the development of breeding programs based upon the principles of population genetics. Pre-requisite: BIOL 111 – Concepts of Biology or BIOL 150 – General Biology I. Fall, even years.

**ANSC 445 – Problems in Livestock Management .....2**  
Course will cover selected problems in livestock production common to class members and not covered in other animal science courses. Courses may be repeated for an additional two credits. Pre-requisite: ANSC 220 – Livestock Production. Fall, odd years.

**ANSC 463 – Physiology of Reproduction .....4**  
Anatomy, physiology, and endocrinology of reproduction in mammals. Extensive oral and written communication experience. Spring, odd years.

**ANSC 464 – AI Training.....1**  
Demonstration and utilization of the latest technology in large animal reproductive management. Technical training including AI certification, pregnancy diagnosis and estrous control. Spring.

**ANSC 466 – Advanced Equine Nutrition.....3**  
Principles of nutrition are applied to horses including digestive anatomy and physiology. Nutritional requirements of maintenance, growth, reproduction and interactions between nutrition and animal health and disease will be stressed. Application of principles and requirements into practical feeding programs is expected. Pre-requisites: 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 a 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 dependant on student interest in these species. Spring.

**ASM 125 – Fabrication and Construction.....2**  
Introduction to materials, methods, and tools used in fabrication, installation, and maintenance of agricultural production and processing facilities. Offered on demand

**ASM 155 – Agriculture Welding.....3**  
Principles and operation of oxyacetylene, electrode, and wire feed welding including safety, electrode selection, making welds on common materials, brazing, and cutting with labs on new and repair projects. Fall, Spring.

**ASM 253 – Small Engines .....2**  
Principles, maintenance, trouble shooting, and overhaul of small engines. Includes two-stroke and four-stroke engines. Offered on demand.

**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. Pre-requisite: ASM 155 – Agriculture Welding. Fall, Spring.

**ASM 378 – Machinery Principles and Management .....3**  
Principles of agricultural machinery manufacture, sales, operation, and management. Topics include selection, replacement, operation, application, and maintenance. Offered on demand.

**GIS 210 – Applied GPS.....2**  
Introduction to the fundamental and application of Global Positioning System (GPS) technology. Students will also learn to integrate the geographic information collected by a GPS unit into a Geographic Information Systems (GIS) program. Spring.

**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. Fall (Cross listed with GEOG 380).

**GIS 470 – Remote Sensing .....3**  
Examination of optical, infrared, and microwave methods for remote observation of earth systems, with a focus on the use of aircraft and satellite data for addressing environmental problems. The course includes an overview of modern remote sensing systems for data collection at a variety of scales, as well as an introduction to digital image processing. Laboratory will involve a systematic coverage of visual and digital techniques used to interpret aerial photography and satellite imagery. Spring.

**GIS 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. Pre-requisite: PLSC 380 – Applied ArcGIS, or appropriate GIS experiences. Spring.

**GIS 481 – Geographical Information Systems  
for Business.....3**

This course introduces the management, analysis and modeling of information based Geographical Information System (GIS) database. 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. Spring.

**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.

**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 student organizations and student leadership programs. Fall, Spring.

**H&CE 281 – Early Experience.....1**

Field-based experience in a middle or high school educational setting. Provides an opportunity to observe and interact with students, teachers, and administrators. Site options include schools and extension office. Cross-listed with SEED 298 – Pre-Professional Experience: Secondary. Fall, Spring, Summer.

**PLSC 110 – World Food Crops.....3**

Scientific principles of crop growth, worldwide production, management alternatives, and processing for domestic and international consumption. Spring.

**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. Pre-requisite: 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. Pre-requisites: 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.

**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. Pre-requisites: RNG 336 – Introduction to Range Management; PLSC 225 – Principles of Crop Production. Fall.

**RNG 236 – Rangeland Vegetation & Communities .....3**

Identification of commonly occurring plants of the upper Midwest, including taxonomy, important ecological and management relationships of plants. The subsequent effect on rangeland health and evaluation thereof will also be studied. Fall

**RNG 336 – Introduction to Range Management .....3**

Principles of range management which include fundamentals of plant growth, and stimulation and range evaluation, improvement and planning. Pre- or Co-requisites: RNG 236 – Rangeland Vegetation & Communities and GIS 380 – Applied Arc GIS or equivalent. Fall.

**RNG 436 – 12 Month Livestock-Pasture-Forage  
Management 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. Spring.

**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.

**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.

**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. Spring.

**RNG 480 – Conflict of Resolution 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.

**RNG 491 – Range Seminar ..... 1-6**

In this capstone course, students will critically analyze and propose research-based solutions to problems related to rangeland issues. Pre-requisite: Senior standing. Fall. Cross listed with AGRI 491.

**SOIL 210 – Introduction to Soil Science .....4**

Physical, chemical, and biological properties of soils as related to use, conservation, and plant growth. Fall.

**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. Pre-requisite: SOIL 210 – Introduction to Soil Science or permission of instructor. Spring, odd numbered years.

**SOIL 322 – Soil Fertility and Fertilizers .....3**

Principles of plant nutrition and soil nutrient availability, soil testing, fertilizer recommendations and management. Macro nutrient emphasis. Pre-requisite: SOIL 210 – Introduction to Soil Science or permission of instructor. Spring, even numbered 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. Pre-requisite: 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 required. Cross listed as GEOG 444. Pre-requisite: SOIL 210, GEOL 105, or GEOG 121. Fall, even years.

**VETS 339 – Animal Health .....3**

Principles of animal health; prevention, sanitation, chemotherapy, immunology, disease symptoms, and management. Pre-requisite: ANSC 114 – Introduction to Animal Science or permission of the instructor. Spring.

## **ART**

**ART 110 – Introduction to the Visual Arts .....3**

Study and analysis of visual art multi-cultural history and methods. To include a survey of art history from antiquity to contemporary times in a variety of cultures. Also to include basic techniques of and practice at two-dimensional and three-dimensional design. This course will aid individuals with minimal experience in visual art to develop their potential creative abilities. Fall, Spring.

**ART 122 – Two-Dimensional Design .....3**

A basic course in the study of two-dimensional art. A variety of techniques and materials will be explored while students develop an understanding of the elements of art and principles of compositional organization. Fall, Spring.

**ART 124 – Three-Dimensional Design .....3**

A basic course in the study of three-dimensional art. A variety of techniques and materials will be explored while students develop an understanding of the principles of three-dimensional design. Spring.

**ART 130 – Drawing I .....3**

Basic instruction in freehand drawing emphasizing line, shape, value, volume, space, and perspective using a variety of art media. Emphasis will be placed upon drawing through coordination of hand and eye movements and seeing rather than looking. This course is designed to help students cultivate their potential drawing abilities or improve existing drawing proficiency. Fall and Spring.

**ART 210 – Art History I .....3**

History of painting, sculpture, and architecture from prehistoric to the Gothic era including the cross-cultural influences of early Egyptian, Mesopotamian, Greek, Roman, and Islamic arts on the development of later European arts; 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.

**ART 211 – 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, romanticism, photography, and the beginnings of modernism. 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. Pre-requisite: 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. Spring

**ART 230 – Drawing II .....3**

A continued practice of freehand drawing techniques based on direct observation. Emphasis will be placed on expressive possibilities, with an introduction to abstraction, color usage, and an introduction to various media not experienced in ART 130 - Drawing I. Pre-requisite: ART 130 – Drawing I. Spring.

**ART 250 – Ceramics I .....3**

An introductory clay course for developing functional and decorative forms, emphasizing hand building, surface decoration, glazing, raku firing, and kiln management. Fall, Spring.



**ART 270 - Printmaking I.....3**

An introduction to printmaking through instruction and practice in one or more of the intaglio processes such as etching, engraving, collagraphs, and relief processes. Pre-requisite: ART 122 - Two-Dimensional Design or ART 130 - Drawing I or consent of instructor. Spring.

**ART 280 - Photography I.....3**

An introductory course providing instruction in 35mm camera functions and basic black and white darkroom techniques. Emphasis will be placed on formal composition, aesthetics, and proper methods of processing photographic material and chemicals. This course is designed for students with little or no experience in photography. Fall.

**ART 281 - Introduction to Digital Photography .....3**

An introductory course in digital camera use, composition, and general use. The course is designed for students who wish to understand their digital camera and improve their composition skills. Adobe Photo Elements will be used for simple editing of their images. Students need to supply their own digital camera. Spring

**ART 310 - Modern Art History.....3**

A study of the beginnings of Impressionism in 19th century Europe through the European and American art movements up to 1970. 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, residences, and grants. 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. 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 lecture with some studio projects to explain why folk art is both popular and controversial. Fall alternate years.

**ART 320 - Painting II .....3**

Continued refinement and practice of techniques and materials introduced in Painting I. Students should have a working knowledge and understanding of color theory and previous experience with oil painting materials. Pre-requisite: 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. Pre-requisite: 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 - Water Media I. Students should have a working knowledge and understanding of color theory and previous experience with water color materials. Pre-requisite: ART 225 - Water Media I or consent of instructor. Spring.

**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. Pre-requisite: ART 326 - Water Media II and consent of instructor. Offered on demand and taught at the same time as ART 225 - Water Media I. Spring.

**ART 330 - Drawing III .....3**

Advanced study of one or more drawing media with continued refinement of techniques developed in previous courses. Students will work toward the expression of a personal style. Offered on demand with other drawing courses. Pre-requisite: ART 230 - Drawing II and permission of the instructor. Spring.

**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. Pre-requisite: ART 250 - Ceramics I. Fall, Spring.

**ART 360 - Sculpture I.....3**

An introduction to three-dimensional expression using a variety of media including clay, wood, metals, or other materials. Emphasis will be placed on the interaction of form and space. Offered on demand.

**ART 370 - Printmaking II .....3**

Continued refinement of techniques learned in ART 270 - Printmaking I. Emphasis will be placed on development of color printing skills through print alterations or relief techniques and studio maintenance. Pre-requisite: ART 270 - Printmaking I. Spring.

**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. Pre-requisite: ART 370 - Printmaking II and consent of instructor. Offered on demand and is taught at the same time as ART 270 - Printmaking I. Spring.

**ART 380 - Photography II.....3**

Continued refinement of techniques learned in ART 280 - Photography I with emphasis placed on improving darkroom skills. Introduction to toners, hand coloring, and other print modification techniques. Pre-requisite: ART 280 - Photography I. Spring alternate years.

**ART 381 - Photography III.....3**

Further mastery and application of techniques learned in previous photo courses. Introduction to studio management, lighting techniques, and computer imaging. Pre-requisite: ART 380 - Photography II and consent of instructor. Offered on demand and taught at the same time as ART 380 - Photography II. Spring alternate years.

**ART 385 - Digital Photography .....3**

Designed for art majors, art minors, graphic design minors, and recommended for photojournalism students, this course emphasizes formal composition, digital camera use, image processing through the use of Adobe PhotoShop with proper color correction and print production. Students are required to own a camera with the ability to control aperture and shutter speed. Pre-requisite: ART 280 – Photography I. This course is rotated in sequence with ART 380 – Photography II in Spring alternate years.

**ART 405 - Senior Exhibition Lab ..... 1**

Students work to plan, critique, and implement their portfolios in preparation for their senior exhibitions. Fall

**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. Pre-Requisite: ART 405 – Senior Exhibition Lab 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 minor students. Pre-Requisite: ART 405 – Senior Exhibition Lab 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 the student planning to attend graduate school or wishing to expand his or her studio experiences. Pre-requisite: 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. Pre-requisite: ART 327 - Water Media III and consent of the instructor. Spring.

**ART 460 - Sculpture II .....3**

Continued refinement of techniques learned in ART 360 - Sculpture I. Pre-requisite: 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 the student planning to attend graduate school or wishing to expand his or her studio experiences. Pre-requisite: 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 an individual 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. Pre-requisite: 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 291, 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 writing intensive and capstone course. Offered on demand.

**ART 292, 492 - Experimental Course .....1-4**

A unique course, designated by an 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, 493 - Peer Tutoring .....1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**ART 294, 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. Offered on demand  
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. Offered on demand.

**ART 295, 495 - Service Learning..... 1-6**

Credits 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. Offered on demand.

**ART 296, 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 297, 497 - Art 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. Offered on demand.

**ART 299, 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. Offered on demand.  
READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Offered on demand.

## ASTRONOMY

**ASTR 110 - Introductory Astronomy .....3**  
This course reviews basic information on the history of astronomy, the appearance of the night sky, the principles 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: ASTR 110L – Introductory Astronomy Lab. Spring, odd years.

**ASTR 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: ASTR 110 –Introductory Astronomy. Spring, odd years.

**ASTR 292, 492 - Experimental Course ..... 1-4**  
A unique course, designated by an 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's catalog, or its usage must be discontinued.

**ASTR 293, 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 for specific information. (Maximum eight credits may be applied to graduation.)

**ASTR 294, 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. Offered on demand  
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. Offered on demand

**ASTR 295, 495 - Service Learning ..... 1-6**  
Credits 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 activity and subsequently awarding of academic credit will be at the discretion of the department chair.

**ASTR 296, 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.

**ASTR 297, 497 - 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.

**ASTR 299, 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.

## BIOLOGY

**BIOL 111 - Concepts of Biology .....3**  
Concepts of Biology is an introductory level non-majors transferable class. It is designed to meet the requirements of a Lab Science.

1. Basic science literacy, possibly including superficial coverage of cell biology, ecology, human anatomy and physiology, evolution, genetics, and environmental biology

2. Understanding how science informs cultural perspectives.
3. Understanding the relationship among levels of biological information.
4. Understanding the unity and diversity of life forms.
5. Comprehending methods of inquiry and technology and the applications for society.
6. Integrating knowledge and ideas in science.
7. Understanding and utilizing scientific knowledge.

Concepts of Biology is a survey course intended for students who take no other course in biology. It presents the essential general information about plants and animals, explains fundamental laws governing the biological world, and emphasizes their relationship to humans. Not applicable toward biology major or minor. Co-requisite: BIOL 111L - Concepts of Biology Lab. Fall, Spring. (Summer on demand).

**BIOL 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 111 - Concepts of Biology. Fall, Spring, Summer (on demand).

**BIOL 150 - General Biology I .....3**

A two-semester sequenced study of the fundamental topics of biology, with an emphasis on cellular biology.

1. Understand cellular and viral structure and function.
2. Understand fundamental biochemical principles.
3. Understand rudimentary classical
4. Understand rudimentary molecular genetics and have a familiarity with various DNA technologies.
5. Use knowledge about mechanisms of cellular and molecular processes.

Selected principles of biology with emphasis on the life processes. Representative organisms are considered from a cellular and systems approach for better understanding of the complexity of life. Co-requisite: BIOL 150L - General Biology I Lab. Fall

**BIOL 150L - General Biology I Lab.....1**

Laboratories deal with major principles of biology with emphasis on cellular function including cell morphology, cell division, and cellular respiration. Emphasis will be placed on learning the scientific method, basic lab procedures, and lab report writing. Co-requisite: BIOL 150 - General Biology I. Fall

**BIOL 151 - General Biology II .....3**

A two-semester sequenced study of the fundamental topics of biology, with an emphasis on organismal biology.

1. Describe the unity and diversity of life, including structure and function and how this relates to the environment.
2. Describe how life (or life forms) has (have) changed and adapted over time.
3. Understand basic evolution and evolutionary processes
4. Develop and understanding of ecology

Introduction to fundamental concepts of biology emphasizing the whole organism. Includes developmental biology, ecology, and physiology of both plants and animals. Co-requisite:

BIOL 151L – General Biology II Lab. Prerequisite: BIOL 150/150L – General Biology I and Lab. Spring.

**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. Prerequisite: BIOL 150/150L – General Biology I and Lab. Spring.

**BIOL 154 - Introduction to Botany .....3**

Introduction to the biology of plants emphasizing evolution and diversity, plant anatomy and development, water and mineral nutrition, photosynthesis, and plant ecology. Co-requisite: BIOL 154L – Introduction to Botany Lab. Prerequisites: BIOL 150/150L – General Biology I and Lab, BIOL 151/151L – General Biology II and Lab. Spring.

**BIOL 154L - Introduction to Botany Lab.....1**

Laboratory course illustrating concepts and principles examined in BIOL 154 – Introduction to Botany. Co-requisites: BIOL 154 – Introduction to Botany. Prerequisites: BIOL 150/150L – General Biology I and Lab, BIOL 151/151L – General Biology II and Lab. Spring.

**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. Pre-requisites: BIOL 150, 150L – General Biology I and Lab, BIOL 151, 151L – General Biology II and Lab. Fall.

**BIOL 170L - General Zoology Lab .....1**

Laboratory experience that illustrates principles and concepts introduced in BIOL 170 – General Zoology. Co-requisites: BIOL 170 – General Zoology. Prerequisites: BIOL 150/150L – General Biology I and Lab, BIOL 151/151L – General Biology II and Lab. Fall.

**BIOL 211 - Human Anatomy .....3**

Structure of the human body including histology and morphology of the skeletal, muscular, digestive, nervous, urinary, reproductive, circulatory, respiratory, and endocrine systems.

A terminal course in human anatomy. Structure of the human body including histology and morphology of the skeletal, muscular, digestive, nervous, urinary, reproductive, circulatory, respiratory, and endocrine systems. Co-requisite: BIOL 211L - Human Anatomy Lab. Fall.

**BIOL 211L - Human Anatomy Lab.....1**

Exercises designed to demonstrate the morphology of the major systems of the body utilizing a complete regional dissection of the cat (*Felis silvestris*). Co-requisite: BIOL 211 - Human Anatomy. Fall.

**BIOL 212 - Human Physiology ..... 3**

Covers the normal structure and function of the cell, tissues, organs and organ systems including the muscular, skeletal, cardiovascular, gastrointestinal, nervous, endocrine, excretory, and reproductive systems. Pre-requisite: CHEM 115 - Introductory Chemistry, or equivalent, BIOL 211/211L – Human Anatomy/Lab or permission of instructor. Co-requisite: BIOL 212L - Human Physiology Lab. Spring.

**BIOL 212L - Human Physiology Lab..... 1**

Exercises designed to complement and reinforce the human physiology lecture. Includes the examination of cells and human tissues as well as demonstrations, computer simulations, and exercises that illustrate the functions of the various organ systems. Co-requisite: BIOL 212 - Human Physiology. Spring.

**BIOL 250 - Wildlife Management ..... 3**

Theory and methods of management of game and non-game wildlife populations. Includes guest lecturers, field trips, discussions, and readings, concerning human interactions with species of the Northern Great Plains. Fall, odd years.

**BIOL 250L – Wildlife Management Lab ..... 1**

This course will introduce techniques used in wildlife management with an emphasis on the scientific method in wildlife science, including those used in management of game animals for harvest, in maintenance and restoration of viable populations, and in ecosystem management. This will include but not limited to surveys, habitat use and classification, and population inventories. This course will offer an introduction to the use of GIS in a natural resource context. Lab uses a practical approach to illustrate and reinforce the lecture material. Co-requisite: BIOL 250 Wildlife Management. Fall, odd years.

**BIOL 260 - Environmental Health Economics, Law and Public Policy Development..... 3**

Students in this course will be introduced to environmental health 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 health problems and the economic impact of environmental pollution and other problems. This course is intended for environmental health majors and is not applicable to biology major or minor. Spring, odd years.

**BIOL 270 - Water, Wastewater, and Solid Waste..... 2**

Students in this course will study investigative procedures, sampling techniques, analysis and treatment of water, wastewater and solid waste. Emphasis on water pollution, drinking supplies and quality, on-site waste disposal, municipal and industrial wastewater treatment and solid waste disposal, private wells, and ground water contamination. Case studies will be conducted using federal regulations as a guide. Pre-requisites: BIOL 150/150L – General Biology I/Lab and BIOL 302/302L – Microbiology and Lab. Fall, even years.

**BIOL 280 - All-hazard Preparedness ..... 2**

This course will cover the environmental health principles needed to protect the public and communities in times of war, general emergencies, and disasters, both natural and manmade, due to chemical, biological and radioactive threats. This course will also cover the threat of terrorism and public health needs from global climatic changes. Fall, odd years.

**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. 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, viruses, and fungi to humans. Pre-requisite: CHEM 115, 115L - Introductory Chemistry and Lab.

Co-requisite: BIOL 302L - Microbiology Lab. Spring

1. Gain an appreciation of the diversity of microbes; in the context of this course, “microbes” include diverse organisms, e.g., viruses, bacteria, fungi, protists, and small worms
2. Describe the structure and function of microbes
3. Understanding diagnostic tests and procedures used to identify microbes.
4. Understanding the relationship between microbes, disease and the disease process.
5. The role of microbes in microbial ecology.
6. Understand the roles of microbes in community health.

**BIOL 302L - Microbiology Laboratory ..... 1**

Includes culturing methods, staining techniques, biochemical reactions, evaluations of various disinfectants/antiseptics/antibiotics, radiation induced mutations, and viral plaques. Co-requisite: BIOL 302 - Microbiology. Spring.

**BIOL 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. Pre-requisites: BIOL 150/150L - General Biology I/Lab; CHEM 122/122L - General Chemistry II/Lab; PHYS 211/211L - College Physics I/Lab OR PHYS 251/251L - University Physics I/Lab. Spring, even years.

**BIOL 315 - Genetics..... 3**

Study of the basis of heredity with emphasis on structure and function of DNA and Mendelian Genetics.

1. Understanding molecular genetics.
2. Understanding and solving problems in Mendelian (classical) inheritance.
3. Have a familiarity with genetic technologies.
4. Understanding population genetics and evolution.
5. Develop an appreciation for the relationship of genetics to other disciplines, e.g., biochemistry, ethics, economics, and medicine.

Both classical and modern genetics are considered with emphasis on problem solving, understanding the molecular basis of both gene structure and gene interaction. Pre-requisite: BIOL 151, 151L - General Biology II, Lab; CHEM 122, 122L – General Chemistry II, Lab; junior standing or permission of instructor. Microbiology strongly recommended. Co-requisite: BIOL 315L - Genetics Lab. Fall.

**BIOL 315L - Genetics Lab ..... 1**  
This course includes cytogenetics (human), statistical analysis, mendelian and radiation genetics, three levels of Drosophila genetics and computer simulations. Co-requisite: BIOL 315 - Genetics. Fall.

**BIOL 325 - Environmental Health Techniques ..... 3**  
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. Pre-requisites: BIOL 150/150L - General Biology I/Lab and BIOL 302 /302L – Microbiology/Lab. Co-requisite: BIOL 325L - Environmental Health Techniques Lab. Fall, even years.

**BIOL 325L - Environmental Health Techniques Lab..... 1**  
Hands-on laboratory to reinforce and accompany BIOL 325 – Environmental Health Techniques. Co-requisite: BIOL 325 – Environmental Health Techniques. Fall, even years.

**BIOL 340 - Comparative Vertebrate 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 170/170L - General Zoology and Lab. Spring, odd years.

**BIOL 345 - Parasitology ..... 4**  
Study of the major parasites of humans and animals, their natural history, life cycles, prevention, and controls. Pre-requisite: BIOL 150, 150L - General Biology I and Lab. Spring odd years.

**BIOL 355 - Environmental Toxicology ..... 3**  
Examines the mechanism of poisons and pollution in both the environment areas and in organism. Pre-requisites: BIOL 150/150L - General Biology I/Lab, CHEM 121/121L – General Chemistry I/Lab and CHEM 122/122L – General Chemistry II/Lab. Fall, odd years.

**BIOL 357 - Pathophysiology ..... 3**  
Study of the etiology, pathogenesis, and pathophysiology of human diseases as correlated to nursing care. Not applicable toward biology major or minor. Microbiology strongly recommended. Pre-requisites: BIOL 211, 211L, - Human Anatomy and Lab, BIOL 212, 212L - Human Physiology and Lab, and CHEM 115, 115L - Introductory Chemistry and Lab, or equivalent. Fall.

**BIOL 370 - Ornithology..... 3**  
Habits, life histories, migration activities, behavior patterns, anatomy, physiology, and ecology of birds. Pre-Requisite: BIOL 170, 170L - General Zoology and Lab or permission of the instructor. Spring, odd years.

**BIOL 370L - Ornithology Lab ..... 1**  
Students will be expended to learn the taxonomy, identification and natural history of the avifauna of North Dakota. Students will gain skills in the field and from class specimens. Lab uses a practical approach to illustrated and reinforce the lecture material. Prerequisite: BIOL 170, 170L – General Zoology and Lab, or permission of the instructor. Co-requisite: BIOL 370 – Ornithology. Spring, odd years.

**BIOL 380 - Lab Practicum..... 1-6**  
Student is assigned to assist in the preparation and execution of a biology lab. Pre-requisite: BIOL 150, 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. Pre-requisite: BIOL 170/170L – General Zoology/Lab. Fall, Even years.

**BIOL 389 - Scientific Writing 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. Pre-requisites: BIOL 150, 150L – General Biology I and Lab or CHEM 121, 121L – General Chemistry and Lab and ENGL 110 – College Composition I or equivalent course. Fall, odd years; students strongly advised to complete this course during sophomore or junior year.

**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. Pre-requisites: BIOL 170/170L – General Zoology/Lab., CHEM 122/122L – General Chemistry II/Lab or equivalent, junior status or above or consent of the instructor. Spring, even years.

**BIOL 415 - Ecology..... 4**  
Principles concerning the relationships between organisms and their environment. Field and laboratory exploration of native plant and animal ecology. Pre-requisites: BIOL 150, 150L - General Biology I and Lab, BIOL 151, 151L – General Biology II and Lab, CHEM 121, 121L – General Chemistry I and Lab, CHEM 122, 122L – General Chemistry II and Lab, and MATH 305 – Probability and Statistics. Fall.



**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.

**BIOL 430 - Cell Biology..... 3**

The description and analysis of physical and biochemical processes at the cellular and molecular level of the living animal, plant, and microbial cell. Pre-requisites: BIOL 151, 151L – General Biology II and Lab, CHEM 122, 122L – General Chemistry II and Lab, or consent of the instructor. Co-requisite: BIOL 430L – Cell Biology Lab. Fall, even years.

**BIOL 430L - Cell Biology Lab ..... 1**

Lab designed to reinforce the lecture material with examples of cellular anatomy. The lab will provide additional training in microscopy and sample preparation. Co-requisite: BIOL 430 – Cell Biology. Fall, 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. Pre-requisite: BIOL 302, 302L - Microbiology and Lab, BIOL 315, 315L - Genetics and Lab or consent of the instructor. Offered on demand.

**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. Pre-requisites: BIOL 150/150L – General Biology I and Lab, BIOL 302/302L – Microbiology and Lab, and MATH 305 – Probability and Statistics. Spring, odd years.

**BIOL 459 - Evolution..... 4**

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 170/170L – General Zoology and Lab, Fall, even years.

**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. Pre-requisite: Junior or senior standing, restricted to education majors only. Offered on demand with permission of instructor only. S/U grading only.

**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 writing intensive and capstone course. Restricted to senior environmental health majors. Pre-requisite: BIOL 389 - Scientific Writing and Readings. Spring.

**BIOL 291, 491 - Biology Seminar ..... 2**

This course is designed for the exploration of specific topics that are not covered in regularly scheduled course work. BIOL 491 is a writing intensive and capstone course. Restricted to graduating seniors. Pre-requisite: BIOL 389 - Scientific Writing and Readings. Spring.

**BIOL 292, 492 - Experimental Course..... 1-4**

A unique course, designated by an 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's catalog, or its usage must be discontinued.

**BIOL 293, 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 294, 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. Offered on demand  
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. Offered on demand

**BIOL 295, 495 - Service Learning ..... 1-6**

Credits 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 activity and subsequently awarding of academic credit will be at the discretion of the department chair.

**BIOL 296, 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 297, 497 - Biology Internship, Externship, Cooperative Education ..... 1-5**

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.

**BIOL 299, 499 – Special Topics.....1-6**  
A uniquely-designed advanced topics course within a specific area of biology. Course content and other related academic requirements to be determined by the instructor.

## **BUSINESS ADMINISTRATION**

**BADM 264 – Internet Applications ..... 3**  
Provides students with exposure to the Internet, teaching the fundamentals, history, and use of the Internet. Students learn how to create and maintain web pages. Fall, Spring.

**BADM 270 – Business Club ..... 1**  
Students apply business principles and practices as they participate in business projects, tour local and national businesses and experience local business speakers. S/U grading only. Open to all students. Fall, Spring.

**BADM 310 – Students in Free Enterprise (SIFE) Club .... 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, 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 into a regional competition each April. It is highly recommended that students plan to take SIFE both fall and spring semesters so they can participate in the project from start to competition. No pre-requisite. Fall and Spring.

**BADM 330 – Business Challenge..... 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. Pre-requisite: Business Administrations majors must complete all Pre-Major courses with a “C” or better. 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. 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. Pre-requisite: 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 on-line 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 students’ 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. Pre-requisites: ACCT 315 – Business Law or instructor approval and students must have competed all level I courses with a “C” or better. Fall (On-line), 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. Pre-requisites: Math 305 – Probability and Statistics, BADM 336 – Management and Leadership. Pre-requisite: Business Administrations 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. The course aims to help the student with practices and procedures that assure that the organization complies with federal, state, and city statutes and regulations. Pre-requisites: 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. Pre-requisite: 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. Pre-requisite: 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. Pre-requisites: 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. Pre-requisites: 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. Business Administration majors must complete all Pre-Major courses with a “C” or better. Fall, Spring.

**BADM 456 – International Business Strategies .....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. Pre-requisites: BADM 455 – International Business; MRKT 301 – Principles of Marketing; FIN 326 – Managerial Finance and all Pre-Major courses.

**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. Pre-requisite: 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. Pre-requisites: 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. Pre-requisite: 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. . Pre-requisites: BADM 336 - Management and Leadership. Business Administration majors must complete all Pre-business core 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. Pre-requisites: Senior standing and accounting or business administration major. FIN 326 – Managerial Finance or permission of the instructor or department chair. Business Administrations majors must complete all Pre-Major courses with a “C” or better. Fall, Spring.

**BADM 291, 491 – Business Administration Seminar .... 1-6**

Explores specific topics which are not covered in regularly scheduled coursework.

**BADM 292, 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 293, 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 six credits may be applied to graduation.)

**BADM 294, 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 295, 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.

**BADM 296, 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 297, 497 – Business Internship, Externship, Cooperative Education ..... 1-6**

Student will be placed in a company or agency which will provide the student with specific activities what 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. Students may take up to twelve semester hours, receiving a maximum of three semester hour credits in the Business Administration major. Pre-requisites: 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, 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.

## **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 & 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 148 – Keyboard Speedbuilding.....1**

Complete drill work; timed writing of straight and rough draft copy; development of increased speed and accuracy; improvement of keyboarding techniques. Designed for students who do not meet the 30 words per minute during a one-minute timing in BOTE 152 – Keyboarding II. Pre-requisite: BOTE 147 – Beginning Word Processing. Offered as needed.

**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. Pre-requisites: BOTE 152 – Keyboarding II and BOTE 245 – Advanced Word Processing. 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. Pre-requisites: Successful completion of two of the following three courses with a grade of “C” or better: ENGL 110 – College Composition I, ENGL 120 – College Composition II, or COMM 110 – Fundamentals of Public Speaking. 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 principles of layout and design will be practiced. Improved productivity of electronically produced newsletters, flyers, brochures, reports, advertising materials, and other publications are emphasized. Pre-requisite: 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. Pre-requisite: CSCI 101 – Introduction to Computers. 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. Pre-requisite: 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. Pre-requisite: BOTE 171 – Medical Terminology I. Spring.

**BOTE 297 – Office Administration Internship, Externship, Cooperative Education ..... 1-6**

Student will be placed in a company or agency which will provide the student with specific activities what 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. May be taken for one, two, or three credits per semester, and can be repeated until six credits have been earned. 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 411 – Philosophy of Career and 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. Pre-requisite: SEED 490B – Methods in Business Education or consent of the instructor. S/U grading only. Fall, Spring.

**BOTE 292, 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.

**BOTE 293, 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.)

**BOTE 294, 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.

**BOTE 295, 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.

**BOTE 296, 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.

**BOTE 299, 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.

## CHEMISTRY

**CHEM 115 - Introductory Chemistry ..... 3**  
Basic principles of chemistry including atomic structure, chemical symbols, chemical bonding, reactions, nuclear chemistry, and states of matter. High school algebra skills are necessary. This course is recommended for nursing students and those students needing a general education science course. Co-requisite: CHEM 115L - Introductory Chemistry Lab. Fall.

**CHEM 115L - Introductory Chemistry Lab..... 1**  
Laboratory course to accompany CHEM 115 - Introductory Chemistry. Students will perform experiments demonstrating basic laboratory techniques and illustrating chemical principles discussed in CHEM 115. Co-requisite: CHEM 115 - Introductory Chemistry. Fall.

**CHEM 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. Pre-requisite: CHEM 115, 115L - Introductory Chemistry and Lab or CHEM 121/121L – General Chemistry I and Lab. Co-requisite: CHEM 116L - Introduction to Organic and Biochemistry Lab. Spring.

**CHEM 116L - Introduction to Organic and 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.

**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 I Lab ..... 1**  
Laboratory course to accompany CHEM 121 - General Chemistry I. Experiments to complement the lecture course will be performed. Basic laboratory skills dealing with collecting and analyzing data will be emphasized. Co-requisite: CHEM 121 - General Chemistry I. Fall

**CHEM 122 - General Chemistry II..... 4**  
Fundamentals of chemistry including thermodynamics, kinetics, equilibrium, solution behavior, electrochemistry, and an introduction to inorganic chemistry. Pre-requisite: CHEM 121, 121L - General Chemistry I and Lab. Co-requisite: CHEM 122L - General Chemistry II Lab. Spring.

**CHEM 122L - General Chemistry II Lab..... 1**  
Laboratory course to accompany CHEM 122 - General Chemistry II. Experiments to complement the lecture course will be performed. Basic laboratory skills along with qualitative analysis will be emphasized. Co-requisite: CHEM 122 - General Chemistry II. Spring.

**CHEM 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. Pre-requisite: 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. Pre-requisite: CHEM 122, 122L - General Chemistry II and Lab. Fall.

**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. Pre-requisite: CHEM 330 - Quantitative Chemistry. Spring, odd years.

**CHEM 341 - Organic Chemistry I ..... 4**  
Topics to be included are chemical bonding, nomenclature, functional groups, stereochemistry, spectroscopy, and theory of laboratory techniques. Pre-requisites: CHEM 121, 121L, General Chemistry I and Lab, CHEM 122, 122L - General Chemistry II and Lab. Co-requisite: CHEM 341L - Organic Chemistry I Lab. Fall.

**CHEM 341L - Organic Chemistry I Lab..... 1**  
Purification methods, chromatographic techniques, and spectroscopic identification will be examined in conjunction with topics covered in CHEM 341 - Organic Chemistry I. This course is writing intensive. Co-requisite: CHEM 341 - Organic Chemistry I. Fall.



**CHEM 342 - Organic Chemistry II..... 4**

Topics to be covered are carbonyl chemistry, reactivity, mechanisms, synthesis, instrumentation, and theory of laboratory techniques including organic qualitative analysis. Pre-requisite: CHEM 341, 341L - Organic Chemistry I and Lab. Co-requisite: CHEM 342L - Organic Chemistry II and Lab. Spring.

**CHEM 342L - Organic Chemistry II Laboratory ..... 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. This course is writing intensive. Co-requisite: CHEM 342 - Organic Chemistry II. Spring.

**CHEM 360 - Elements of Biochemistry ..... 3**

A lecture course stressing the fundamentals of modern biochemistry. Includes the chemistry of proteins, carbohydrates, and lipids as well as genetics and metabolism. Pre-requisite: CHEM 341, 341L - Organic Chemistry I and Lab, BIOL 150, 150L - General Biology I and Lab. Co-requisite: CHEM 360L - Elements of Biochemistry Lab. Spring, even years.

**CHEM 360L - Elements of Biochemistry Lab..... 1**

Biochemical separation, purification and analytical techniques will be covered. Co-requisite: CHEM 360 - Elements of Biochemistry. Spring, even years.

**CHEM 420 - Advanced Inorganic Chemistry ..... 3**

Periodicity, descriptive inorganic chemistry, reactions, mechanisms, coordination chemistry, and organometallics will be covered. Pre-requisites: CHEM 122, 122L - General Chemistry II and Lab. Fall, even.

**CHEM 440 - Advanced Organic Chemistry ..... 3**

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

**CHEM 461 - Physical Chemistry I..... 3**

Thermodynamics laws, thermodynamics potentials, entropy, chemical, and physical equilibria. Pre-requisites: MATH 165 – Calculus I, MATH 166 – Calculus II and MATH 265 – Calculus III, , CHEM 342 – Organic Chemistry II. Co-requisite: CHEM 461L - Physical Chemistry I Lab. Fall, odd years.

**CHEM 461L - Physical Chemistry I Lab..... 1**

Laboratory work to accompany CHEM 461 - Physical Chemistry I which covers basic experiments in physical chemistry. Co-requisite: CHEM 461 - Physical Chemistry I. Fall, odd years.

**CHEM 462 - Physical Chemistry II ..... 3**

Elementary principles of quantum mechanics, atomic and molecular orbitals, a review of basic spectroscopes and their applications, and kinetics of chemical reactions. Pre-requisite: 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 II Lab ..... 1**

Laboratory work to accompany CHEM 462 - Physical Chemistry II, which covers basic experiments in physical chemistry. Co-requisite: CHEM 462 - Physical Chemistry II. Spring, even years.

**CHEM 470 - Spectroscopy ..... 3**

This is a study of organic compound identification by spectroscopic methods. Techniques included are UV/Vis, IR, H-NMR, C-NMR, multi-nuclear NMR, two-dimensional NMR. This course is writing intensive. Pre-requisites: CHEM 341, 341L - Organic Chemistry I and Lab. Spring, even years.

**CHEM 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. Pre-requisite: Junior or senior standing, restricted to education majors only. Offered on demand. S/U grading only.

**CHEM 291, 491 - Chemistry Seminar ..... 1**

This course is designed for the exploration of specific topics that are not covered in regularly scheduled course work. This is a writing intensive, and capstone course and is required of all chemistry majors except those in chemistry education. Restricted to graduating seniors. Spring.

**CHEM 292, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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's catalog, or its usage must be discontinued.

**CHEM 293, 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 for specific information. (Maximum eight credits may be applied to graduation.)

**CHEM 294, 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. Offered on demand  
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. Offered on demand.

**CHEM 295, 495 - Service Learning..... 1-6**

Credits 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 activity and subsequently awarding of academic credit will be at the discretion of the department chair.

**CHEM 296, 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.

**CHEM 297, 497 - Chemistry 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.

**CHEM 299, 499 - Special Topics, Readings..... 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.  
READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Pre-requisite: CHEM 122, 122L - General Chemistry II and Lab.

## COMMUNICATION

**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 speaker 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. Fall

**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.

**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. Fall.

**COMM 308 - Argumentation..... 3**  
An introduction to the philosophical development, the basic components and types, and the practical application of argument. Spring.

**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. 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. Fall.

**COMM 316 - Meeting Management .....3**

A survey of the techniques of effective communication in small problem-solving and decision-making groups. Various exercises and projects allow students to experience the use of those techniques. The course also studies and practices the parliamentary procedure skills used in larger and more formal assemblies. Spring.

**COMM 317 - Organizational Communication .....3**

Management communication practices in organizations with emphasis on the study of organizational networks, leadership, group dynamics and problem-solving. Fall, Spring.

**COMM 380 - Video Production.....3**

Introducing students to basic digital video techniques, this course focuses on digital technology, camera technique, non-linear editing basics, storytelling, and acting for the camera. Students will produce at least three short films. Spring.

**COMM 291, 491 - Communications 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 writing intensive and capstone course. Offered on demand.

**COMM 292, 492 - Experimental Course .....1-4**

A unique course, designated by an 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, 493 - Peer Tutoring .....1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**COMM 294, 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. Offered on demand  
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. Offered on demand.

**COMM 295, 495 - Service Learning .....1-6**

Credits 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. Offered on demand.

**COMM 296, 496 - Study Tours.....1-6**

Provides students the opportunity to make an extensive trip to a location either inside or outside the United States, which will subsequently provide the student with life experiences that relate directly to a specific academic discipline. Not available in all departments. Available at departmental and discipline discretion only.

**COMM 297, 497 - Communication 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.

**COMM 299, 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. Offered on demand.  
READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Offered on demand.

## COMPUTER SCIENCE

**CSCI 101 - Introduction to Computers .....3**

A broad survey intended to provide the student with an introduction to computer concepts, uses, and problem-solving techniques. Includes an introduction to word processing, spreadsheet, database, Internet, and electronic mail. Assumes no previous knowledge of computers. Fall, Spring.

**CSCI 120 - Computer Programming I .....4**

An introduction to computer programming in a high level programming language. Includes identifiers, conditional statements, repetition statements and subprograms. Fall, Spring.

**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 – Introduction to Computer Programming or equivalent programming experience, MATH 103 – College Algebra or a Math Placement Score of 21. Fall, Spring.

**CSCI 161 - Computer Science II .....4**

Advanced concepts in computer science including data structures, algorithm analysis, searching, sorting, recursion, file I/O, and object-oriented programming. Prerequisite: CSCI 160-Computer Science I. Pre-requisite or Co-requisite: MATH 208 – Discrete Mathematics. Spring.

**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 and MATH 208 Discrete Mathematics. Spring.

**CSCI 181 - Web Management.....3**

The course covers the creation and management of information on the World Wide Web. The use of Hypertext Markup Language, JavaScript and web page generator software as well as image editing techniques will be explored. The student will learn about the hardware and software necessary to run and manage a commercial website. Prerequisite: CSCI 161-Computer Science II. Offered on demand.

**CSCI 185 - Linux Operating System.....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. Offered on demand.

**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. Offered on demand.

**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. The student will experience hands-on learning while developing a local area network.

Prerequisite: CSCI 160-Computer Science I. Offered on demand.

**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. Pre-requisite: Admission by consent of the Department of Mathematics and Computer Science. Offered on demand. S/U grading only. (Cross-listed with MATH 250.)

**CSCI 300 - Programming Languages .....3**

Basic concepts of programming languages. Topics include syntax and semantics of high-level languages, parsing methods, subprograms and their implementation, data abstraction, language translation overview including lexical analysis, syntax-directed translation, symbol table handling, code generation, and different programming paradigms, such as functional, object-oriented, and logic programming. Pre-requisite: CSCI 161 – Computer Science II. Spring.

**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 and agile development methods used in software engineering.

Prerequisite: CSCI 161 – Computer Science II and CSCI 300 – Programming Languages. Fall

**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, elements of graphical user interfaces, Java beans, bit manipulation, serialization, multithreading, network programming, remote method invocation, and java database connectivity.

Prerequisite: CSCI 174 – Intermediate Programming in C++ Fall.

**CSCI 330 - Graphics.....3**

An introduction to major topics in computer graphics input/output devices, graphics software packages, transformations for rotation, scaling, clipping, and perspective. Prerequisites: CSCI 161 – Computer Science II and MATH 105-Trigonometry. Offered on demand.

**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. Prerequisite: CSCI 174 – Intermediate Programming in C++ and, MATH 208 - Discrete Mathematics. Fall.

**CSCI 350 - Assembly Language.....3**

Programming in assembly language. Includes the representation of data, data conversion, addressing, relocatability, base registers, indexing, looping, branching, sub-programs, macros, and the interpretation of program listings and program dumps. Prerequisite: CSCI 161 – Computer Science II. Fall.

**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. Pre-requisites: CSCI 161 – Computer Science II and CSCI 200 – Database Software Applications or CSCI 174 – Intermediate Programming in C++. Fall.

**CSCI 370 - Computer Organization.....3**

An introduction to the concepts in computer and hardware design. Topics include performance measurement, processor design, pipelining, instruction level parallelism, memory systems, storage, peripheral devices and networking devices. Prerequisite: CSCI 161 – Computer Science II and CSCI 350 – Assembly Language and MATH 208 – Discrete Mathematics. Spring.

**CSCI 385 - Theory of Computation .....3**

Topics include finite automata and regular expressions, regular languages and regular grammars, properties of regular languages, pushdown automata and context-free grammars, properties of context-free languages, Turing machines, recursive languages and undecidability, introduction to computability and insolvability. Pre-requisite: MATH 166 – Calculus II, CSCI 174 – Intermediate Programming in C++, and CSCI 300 – Programming Languages. Fall.

**CSCI 401 - Object-Oriented Analysis and Design .....4**

Introduction to the object-oriented paradigm in software development. Analytical concepts: including defining objects, structures, attributes, and services. Design concepts: transforming the analytic model into the design model. Representation concepts: use UML to model software systems including structural elements (object, classes, and instances), behavior, inheritance, and advanced OO concepts, such as relationships and packages. Implementation concepts: comparison of the support features provided by languages such as Java, C++, and Visual Basic. A programming design and implementation project is required. Pre-requisite: CSCI 301 – Software Engineering, CSCI 310 – Advanced Programming in Java. Spring.

**CSCI 420 - Design and Analysis of Algorithms.....4**

Basic techniques for designing and analyzing algorithms: Topics include methods for showing upper and lower bounds on time and space costs, sorting, searching, dynamic programming, divide and conquer, greedy method, network flow, pattern, linear programming, and NP-completeness. Prerequisites: MATH 425 – Mathematical Statistics, CSCI 342 – Object programming with Data Structures. Spring

**CSCI 430 - Operating Systems .....4**

Resource management, I/O programming, interrupt programming, machine structure, and memory management. This course is designated as a writing intensive course and as a capstone experience course. Prerequisite: CSCI 174 Intermediate Computer Programming in C++, CSCI 342 – Object Programming with Data Structures, CSCI 370 – Computer Organization and MATH 425 – Mathematical Statistics. Spring.

**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. This course is writing intensive. Pre-requisite: Junior standing. Fall.

**CSCI 489 - Computer Science Capstone.....2**

Various computer science topics from the curriculum are reviewed and their application to specific computer science areas is explored. Pre-requisite: Computer Science major, spring semester of senior year. Spring.

**CSCI 291, 491 - Computer Science Seminar ..... 1-6**

This course is designed for the exploration of specific topics that 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, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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, 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 for specific information. (Maximum eight credits may be applied to graduation.)

**CSCI 294, 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 students. 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.

**CSCI 295, 495 - Service Learning ..... 1-6**

Credits 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.

**CSCI 296, 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 department and discipline discretion only.

**CSCI 297, 497 - Internship, Externship, Cooperative Education ..... 1-3**

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. 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, 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.

## **DANCE**

**DANC 102 – Ballet I .....1**

Introduction to ballet technique, body positions and steps. Offered Fall even years.

**DANC 104 – Modern I.....1**

Introduction to modern dance technique focusing on alignment, strength and flexibility. Offered Fall even years.

**DANC 105 – Jazz I.....1**

Introduction to jazz dance as an American art form. Offered Fall odd years.

**DANC 202 – Ballet II.....1**

Continuation of Ballet I with focus on the carriage of the head and arms and the ability to combine steps. Pre-requisite, DANC 102 – Ballet I, or invitation by the instructor. Offered Spring odd years.

**DANC 203 – Tap Dance.....1**

Introduction to Tap technique, body positions and steps. Offered Spring even years.

**DANC 204 – Modern II.....1**

Continuation of Modern I with more in depth study of technique and movement phrases. Pre-requisite, DANC 104 – Modern I. Offered Spring odd years.

**DANC 205 – Jazz II .....1**

Continuation of Jazz I with more emphasis on strength, flexibility and dance patterns. Pre-requisite, DANC 105 – Jazz I, or invitation by the instructor. Offered Spring even years.

**DANC 250 – Dance Performance.....1**

Creation of dance routines in a variety of styles through rehearsal. To end with a public recital. May be repeated for a total of six credits. Offered every semester.

**DANC 305 – Language and History of Dance.....1**

Introduction to vocabulary of dance and a survey of dance history. Offered Fall even years.

**DANC 320 – Choreography .....2**

Introduction to dance notation, study of body positions and juxtapositions in the creation of dance. Pre-requisites, DANC 202 – Ballet II, DANC 204 – Modern II, or DANC 205 – Jazz II, and DANC 305 – Language and History of Dance. Offered Fall odd years.

## **EARTH SCIENCE**

**EASC 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. Spring, even years. Cross listed as AGRI 315.

**EASC 292, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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's catalog, or its usage must be discontinued.

**EASC 293, 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 for specific information. (Maximum eight credits may be applied to graduation.)

**EASC 294, 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. Offered on demand  
**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. Offered on demand

**EASC 295, 495 - Service Learning ..... 1-6**  
 Credits 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 activity and subsequently awarding of academic credit will be at the discretion of the department chair.

**EASC 296, 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.

**EASC 297, 497 - 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.

**EASC 299, 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.

## ECONOMICS

**ECON 105 - Elements of Economics .....3**  
 Survey of economic principles for students planning no further formal study of economics. Emphasis on the methods of economic analysis, economic thinking, and the articulation of key economic principles. Introduction to economic models, and to the visualization of seemingly complex, real economic problems. Applications of economic theory to the understanding of everyday economic events. Offered as needed.

**ECON 106 – Global Economics .....3**  
 This course introduces students to fundamental economic principles, with 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; and current topics in international economics. Alternate Spring Semester.

**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 Macroeconomics.....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. Pre-requisite: ECON 201 – Principles of Microeconomics. Fall, Spring.

**ECON 303 – Financial Institutions and Monetary Policy.3**  
 This course is a study of the economic principles governing financial markets and institutions. Introduction to the 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 will also be covered in this course. Prerequisites: ECON 201 – Principles of Microeconomics, ECON 202 – Principles of Macroeconomics. Cross-listed with FIN 300.

**ECON 292, 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 294, 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.



**ECON 299, 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.

## EARLY CHILDHOOD

**EC 310 – Introduction to Early Childhood Education.....3**  
 This course is established to provide an analysis of historical, philosophical, sociological, physical, and psychological premise for the field of early childhood education. Emphasis is on developing awareness of collaborative planning with parents, implementation of developmentally appropriate play and authentic formative and summative assessment. Students will analyze, synthesize, and construct a supportive educational environment which will strengthen families, provide a response to intervention when necessary and assure that all children grow cognitively, affectively, physically, and socially. Pre-requisite: Provisional admission to Teacher Education. Co-requisites: ELED 398A – Pre-Professional Experience: Kindergarten and ELED 323 – Observation and Assessment in Kindergarten. Spring.

**EC 313 – Language and Literacy in Early Childhood .....3**  
 A course designed to study the development of language of young children birth to age eight, including strategies for promoting early literacy development at home and at school. Focus is on preschool language development, pragmatic functions of language, and determination of patterns of language use in early childhood classes. This includes assessment of home and school language acquisition, functional methods for facilitating oral and written language as it relates to the formation of early literacy. Pre-requisites: Provisional admission to Teacher Education, EC 310 – Introduction to Early Childhood Education, ELED 323 – Observation and Assessment in Kindergarten, and ELED 398A – Pre-Professional Experience: Kindergarten. Co-requisite: ELED 324 – Kindergarten Curriculum, Methods, and Materials. Or permission from instructor. Fall, First Eight Weeks

**EC 291, 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. EC 491 is a writing intensive and capstone course. Pre-requisite: Admission to Teacher Education.

**EC 292, 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 293, 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.)

**EC 294, 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.

**EC 295, 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.

**EC 296, 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 299, 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.

## EDUCATION

**EDUC 150 – Study Skills.....5**  
 A survey of effective study techniques including note taking, time management, anxiety reduction, motivation, and memory techniques. Fall, Spring.

**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 in an integrated approach to understanding and utilizing educational technology in instructional environments. Students will gain experience with computer applications,

software programs including Power School and appropriate usage of the Internet and Live Text for research purposes. Emphasis will be placed on the role of technology in the classroom setting and opportunities for development of authentic assessment tools and reflective decision-making. Prior knowledge of computers will be expected. Pre-requisites: CSCI 101 – Introduction to Computers, EDUC 250 – Introduction to Education or concurrent enrollment in EDUC 250 – Introduction to Education and ELED 298 – Pre-Professional Experience: Elementary for elementary education majors or SEED 298 – Pre-Professional Experience: Secondary for secondary education majors. Fall, Spring.

**EDUC 250 – Introduction to Education.....2**

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 Dickinson State’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: ELED 298 – Pre-Professional Experience: Elementary for elementary education majors or SEED 298 – Pre-Professional Experience: Secondary for secondary education majors, and EDUC 210 – Educational Technology. Fall, Spring.

**EDUC 300 – Teaching for Diversity .....3**

The National Council for the Accreditation of Teacher Education (NCATE) defines diversity as, “Differences among groups of people and individuals based on ethnicity, race, socioeconomic status, gender, exceptionalities, language, religion, sexual orientation, and geographical area.” During this course students will explore diversity, investigate how diversity impacts students’ ability to learn, and develop methods and strategies for teaching and assessing students of diversity. Pre-requisite: Admission to Teacher Education. 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. Pre-requisite: Admission to Teacher Education. Spring, alternate years.

**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. Pre-requisite: Admission to Teacher Education. Spring, alternate years.

**EDUC 360 – Managing the Learning Environment .....1**

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. Co-requisite: ELED 398B – Elementary Methods Block Field Experience or SEED 398B – Secondary Methods Block Field Experience. Pre-requisite: Admission to Teacher Education. 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. Pre-requisite: HPER 217 – Personal and Community Health. 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. Pre-requisites: PSYC 111 – Introduction to Psychology, PSYC 250 – Developmental Psychology (elementary education majors) or PSYC 353 – Adolescent Psychology (secondary education majors), and Admission to Teacher Education and senior status. Fall, Spring.

**EDUC 291, 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 writing intensive and capstone course. Pre-requisite: Admission to Teacher Education.

**EDUC 292, 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 293, 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 294, 494 – Independent Study, Undergraduate Research..... 1-6**  
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**EDUC 295, 495 – Service Learning ..... 1-6**  
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**EDUC 296, 496 – Study Tours ..... 1-6**  
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**EDUC 299, 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.

## 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. Hands-on activities will include techniques for presenting and discussing literature with children. Issues such as censorship will be addressed. Fall, 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. Pre-requisite: Admission to Teacher Education. Fall.

**ELED 282 – Reading Across the 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 semester. Pre-requisites: Admission to Teacher Education and ELED 281 – Reading for the Elementary Teacher. Spring.

**ELED 290A – Art Methods for Elementary Education.....3**  
Methods of teaching art in the elementary school, with practical creative experience in a variety of media. Emphasis on multi-cultural activities, lesson plans, and the teacher as a reflective decision maker. This course is designed for the prospective elementary educator or art specialist and includes peer teaching and teacher-aide situations. Pre-requisite: Admission to Teacher Education and ART 122 – Two-Dimensional Design, or concurrent enrollment in ELED 290A – Art Methods for Elementary Education and Art 122 – Two-Dimensional Design. Fall.

**ELED 290X – Mathematics for Elementary Teachers II ...3**  
Topics include operations with integers, fractions, decimals, intuitive geometry, and probability. Other topics will include curricula materials, assessment, multiculturalism and mathematics, equity, gender and mathematics, technology and mathematics instruction, NCTM Curriculum Standards. This course is part of the elementary methods block in spring semester. Pre-requisite: Admission to Teacher Education and MATH 277 – Mathematics for Elementary Teachers. Students are required to conduct assessment techniques to kindergarten-age children. The course culminates with peer teaching and peer critiquing. Spring.

**ELED 298 – Pre-Professional Experience: Elementary .....1**  
Through observation, aide work, individual work with students, and the analysis of the teaching-learning process, prospective elementary education professionals are able to get first-hand experiences under the direction of an experienced classroom teacher in area elementary schools. The majority of time will be spent in the instruction-related areas, and the vast amount of clock-hour experience will be in direct contact with children. Co-requisite: EDUC 250 – Introduction to Education and EDUC 210, Educational Technology. S/U grading only. Fall, Spring.

**ELED 300 – Elementary Curriculum and Language Arts .....3**

Language arts in the elementary curriculum is examined with emphasis on contemporary views such as literacy based with practical application to the elementary classroom. New resource acquisition methods are included such as using Internet navigation tools to access on-line lesson plans, instructional strategies, teaching units and activity material. Students prepare lesson plans, teach lessons, and prepare unit plans. Appropriate actual classroom experiences are interwoven into the language arts subject areas of reading, writing, listening, and speaking. Classroom management strategies, multicultural issues, and “Models of Teaching” are included. This course is part of the elementary methods block in fall semester. Pre-requisite: Admission to Teacher Education. Fall

**ELED 310 – Elementary Curriculum and Social Studies .....3**

A study of social studies in the elementary level using the expanding environments pattern. Students are exposed to social studies content that is concerned with developing reflective thinking skills and citizenship education within a global context and multiple disciplines. Appropriate teaching models and strategies are examined. This course allows students to experience preparing unit/lesson plans and other instructional materials at various grade levels. This course includes peer teaching and peer critiquing. This course is part of the elementary methods block in spring semester. Pre-requisite: Admission to Teacher Education. Spring.

**ELED 323 – Observation and Assessment in Kindergarten .....1**

A course designed to provide insight, understanding, and reflection of procedures, events and child behavior during the Kindergarten Pre-Professional Experience. Students will acquire knowledge of systemic observation and scientific documentation of observations for assessment purposes. Observational information will be analyzed and evaluated in order to comprehend what is a developmentally appropriate kindergarten program design and curriculum. Students will synthesize such information through assessment strategies. Pre-requisite: Provisional admission to Teacher Education. Co-requisites: EC 310 – Introduction to Early Childhood Education, and ELED 398A – Pre-Professional Experience: Kindergarten. Spring.

**ELED 324 – Kindergarten Curriculum, Methods, and Materials.....4**

This course is a study of early childhood education curriculum, methods, and instructional materials designed to meet the cognitive, affective, and psychomotor needs of young children. Areas of emphasis include development of skills in selection, use, and interpretations of developmentally appropriate formal and informal instruction. A thematic constructivist approach regarding instructional materials and procedures is also emphasized when considering the formation of concepts by young children. Students will develop a practical unit which will include lesson plans and other instructional materials through the use of developmentally

appropriate practices. Pre-requisites: Provisional admission to Teacher Education, EC 310 – Introduction to Early Childhood Education, ELED 323 – Observation and Assessment in Kindergarten and ELED 398A – Pre-Professional Experience: Kindergarten. Co-requisite: EC 313 – Language and Literacy in Early Childhood. Fall, First Eight Weeks.

**ELED 383 – Diagnosis and Correction of Reading Disabilities.....3**

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. Pre-requisites: Admission to Teacher Education, ELED 281 – Reading for the Elementary Teacher and ELED 282 – Reading Across the Curriculum and Content Reading. Fall.

**ELED 390H – Teaching Physical Education in the Elementary School .....2**

The 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. Registration is limited to Physical Education Majors only. Pre-requisites: Admission to Teacher Education, HPER 216 – Skill Themes and Movement Concepts for the Elementary School.

**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. Pre-requisite: Junior standing and full Admission to Teacher Education. Alternate 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. Pre-requisite: Admission to Teacher Education. 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

block in fall semester. Pre-requisite: Admission to Teacher Education. Fall.

**ELED 398A – Pre-Professional Experience:**

**Kindergarten ..... 1**  
Working in close proximity to children, the pre-professional will work at instruction-related tasks. These responsibilities will be handled under the direct supervision of a professional classroom teacher, and many times, in concert with other auxiliary staff that may impact the classroom at the time of the assigned experience. Exposure to modern practices relative to kindergarten techniques and procedures is a major goal in the assignment. Pre-requisite: Provisional admission to Teacher Education. Co-requisites: EC 310 – Introduction to Early Childhood Education and ELED 323 – Observation and Assessment in Kindergarten. Spring Only. S/U grading only.

**ELED 398B – Elementary Methods Block Field Experience ..... 2**  
A course designed as an intensive field experience in an elementary classroom. Students will have specific responsibilities for lesson planning, lesson execution and post-reflective lesson evaluation. The experience is structured to use a specific lesson plan design and deliver a minimum of twelve lessons connected to elementary methods courses in the methods block, e.g., reading, mathematics, language arts and science in fall; reading, mathematics, social studies and physical education/health in spring. Co-requisite: EDUC 360 – Managing the Learning Environment. Pre-requisite: Admission to Teacher Education. S/U grading only. Fall, Spring.

**ELED 398C – Elementary Field Experience: Mentoring in the Classroom..... 1**  
In this course students will be placed in an elementary classroom setting where they will work with students as a mentor/tutor on an individual basis. Pre-requisite: Admission to Teacher Education. S/U grading only. Fall, Spring.

**ELED 484 – Practicum in Reading ..... 2**  
This course is a clinical experience in a school setting. The student will shadow a reading specialist for 8 hours and will spend 45 hours with children who are experiencing difficulties in reading. Students are required to submit final reports summarizing the diagnostic and remedial procedures completed. Pre-requisites: Admission to Teacher Education, ELED 281 – Reading for the Elementary Teacher, ELED 282 – Reading Across the Curriculum and Content Reading, and ELED 383 – Diagnosis and Correction of Reading Disabilities. Spring.

**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. Pre-requisite: Admission to Teacher Education.

**ELED 498A – Teaching in the Elementary School..... 15**  
Fourteen-week block of supervised teaching in elementary grades. Pre-requisites: Full Admission to Teacher Education

and satisfactory completion of portfolio final review. S/U grading only. Fall, Spring.

**ELED 498B – Teaching in the Elementary School: Kindergarten ..... 7**  
A 165 hour block of supervised teaching in kindergarten. Students will teach in a kindergarten setting full days for six weeks. Pre-requisites: Full admission to Teacher Education, EC 310 – Introduction to Early Childhood Education, EC 313 – Language and Literature in Early Childhood, ELED 323 – Observation and Assessment in Kindergarten, ELED 324 – Kindergarten Curriculum, Methods, and Materials, ELED 398A – Pre-Professional Experience: Kindergarten and satisfactory completion of portfolio final review. Fall, Second Eight Weeks. S/U grading only.

**ELED 292, 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 293, 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 294, 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. Pre-requisite: 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 instructor and department chair. Pre-requisite: Admission to Teacher Education.

**ELED 295, 495 – Service Learning ..... 1-6**  
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**ELED 296, 496 – Study Tours ..... 1-6**  
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**ELED 299, 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.

## ENGINEERING

**ENGR 111A – Introduction to Electrical and Computer Engineering..... 3**

Introduction to electrical and computer engineering problem solving, design and professional issues. Pre-requisite: MATH 105 or placement test. Offered on demand.

**ENGR 111B – Introduction to Industrial and Manufacturing Engineering..... 3**

Overview of industrial engineering and manufacturing engineering professional careers and work environments. Basic skill acquisition using computer software tools to solve engineering problems, prepare reports, plan projects, deliver professional presentations and manage data. Offered on demand.

**ENGR 207 – Circuit Analysis I..... 4**

Linear electric circuits. Component models, circuit laws, transient analysis, design issues, and computer tools. Pre-requisites: MATH 127 and MATH 166 with a grade of C or better. Co-Requisite: PHYS 252. Offered on demand.

**ENGR 221 – Engineering Mechanics I..... 3**

Scalar and vector approaches to trusses, frames and machines, internal forces, friction forces, center of gravity, centroid, and moment inertia. Pre-requisite: MATH 165. Offered on demand.

**ENGR 222 – Engineering Mechanics II..... 3**

Dynamics of particles and rigid bodies, work energy, impulse-momentum, principles of conservation energy and momentum. Pre-requisites: ENGR 221 and MATH 166. Offered on demand.

**ENGR 223 – Mechanics of Materials..... 3**

Introduction to stress, strain, and their relationships; torsion of circular shafts, bending stresses, deflections of beams, stress transformations, buckling. Pre-requisite: ENGR 221. Offered on demand.

**ENGR 275 – Digital Systems I..... 3**

Introduction to number systems, combinational circuits, and sequential circuits. Pre-requisite: MATH 103 or equivalent, placement test or ACT score. Offered on demand.

**ENGR 307 – Circuit Analysis II..... 4**

Analysis of single phase and three-phase circuits. Laplace transforms in circuit analysis. Fourier series. Two –port networks. 3 one-hour lectures, 1 two-hour laboratory. Pre-requisite ENGR 207 – Circuit Analysis I with a grade of C or

better. Co-requisite: MATH 266 – Introduction to Differential Equations. Offered on demand.

**ENGR 311 – Work/Station Design & Measurement..... 3**

Analytical methods for measuring human performance in industrial, commercial and manufacturing settings. Development of work procedures and design of workstation. Considerations of ergonomics, safety performance effectiveness and efficiency, interactions between workstations, information and data requirements, production throughput, training and skill requirements, and resources. Weekly laboratory. Offered on demand.

**ENGR 440 – Engineering Economy ..... 3**

Capital investment decision foundation within the rules of general an project accounting. Analysis of benefits and returns against cost for engineering, installation, operation, life cycle, and buy-rent-lease decisions. Offered on demand.

## ENGLISH

**ENGL 100 - Basic Writing Skills ..... 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.

**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. 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. Fall.

**ENGL 120 - College Composition II..... 3**

Advanced practice in college-level writing from sources and in applying rhetorical strategies. Pre-requisite: ENGL 110 – College 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. Pre-requisite: ENGL 111H – Honors Composition I. Spring.

**ENGL 210 - College Composition III..... 3**

Advanced development of writing skills emphasizing sophisticated knowledge and practice of rhetoric and style. Pre-requisites: ENGL 110 - College Composition I and ENGL 120 - College Composition II. Fall; alternate Spring semesters.

**ENGL 211 - Introduction to Creative Writing ..... 3**

Guided practice in writing skills related to the imaginative uses of language. Pre-requisites: ENGL 110 - College Composition I and ENGL 120 - College Composition II. Alternate Fall semesters.

**ENGL 213 - Literary Publications..... 3**

Introduction to creative magazine publishing. Pre-requisites: ENGL 110 – College Composition I and ENGL 120 – College Composition II. Spring.

**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. Fall, Spring, Summer.

**ENGL 225 - Introduction to Film ..... 3**

The study of filmed drama, especially motion pictures, as a literary form.

**ENGL 232 - Mythology ..... 3**

A study of representative myths, legends, and folklore from various cultures with emphasis upon the literary aspects of myth.

**ENGL 236 - Women and Literature ..... 3**

The study of literary texts by and about women including gender roles as a literary theme.

**ENGL 241 - World Literature I ..... 3**

Readings from the major representative texts of world literary traditions from the ancient, medieval, and renaissance periods. Fall.

**ENGL 242 - World Literature II ..... 3**

Continuing survey of world literary traditions, including representative texts from early modern to contemporary periods. Spring.

**ENGL 251 - British Literature I ..... 3**

A survey of major works by British writers from the Anglo-Saxon Period through the Eighteenth Century. Fall.

**ENGL 252 - British Literature II ..... 3**

Continuing survey of British Literature from the Romantic Age to the present. Spring.

**ENGL 261 - American Literature I ..... 3**

A survey of literature in English by Americans from the British Colonial Period until the Civil War. Fall.

**ENGL 262 - American Literature II ..... 3**

Continuing survey of American writers and writing since the Civil War. Spring.

**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.

**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. Pre-requisites: ENGL 110 - College Composition I and ENGL 120 - College Composition II. Fall, Spring.

**ENGL 305 - Writing About Literature..... 3**

In Writing About Literature students develop advanced skills through writing essays about several different literary genres and by applying varieties of critical perspectives. Pre-requisites: ENGL 110 - College Composition I and ENGL 120 - College Composition II.

**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. Pre-requisite: ENGL 211 - Introduction to Creative Writing. Alternate Spring semesters.

**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. Fall.

**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. Spring

**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. Pre-requisite: ENGL 251 - British Literature I. Fall.

**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. Pre-requisites: ENGL 261 - American Literature I and ENGL 262 - American Literature II. Fall.



**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. Pre-requisites: ENGL 261 - American Literature I and ENGL 262 - American Literature II. Spring.

**ENGL 360 - Studies in Drama .....3**

This occasional course focuses on a particular aspect of dramatic literature including backgrounds and criticism.

**ENGL 370 - Studies in Novel.....3**

This occasional course considers selected novels, criticism, and issues of long, prose fiction.

**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.

**ENGL 382 - Adolescent Literature .....3**

Students will study representative examples of literary materials appropriate for teaching in middle and secondary schools, including analysis of texts to determine grade level appropriateness. 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. Pre-requisite: ENGL 251 - British Literature I.

**ENGL 415 - British Renaissance Literature.....3**

British Renaissance Literature emphasizes the literature of the 16th-17th Century exclusive of Shakespeare. Pre-requisite: ENGL 251 - British Literature I.

**ENGL 420 - British Restoration and 18th Century Literature.....3**

This course includes representative literature following the re-establishment of the British monarchy through the Regency Period. This course emphasizes the work of Dryden, Swift, Pope, Johnson, Richardson, DeFoe, and Austen. Pre-requisite: ENGL 251 - British Literature I.

**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.. Pre-requisite: ENGL 252 - British Literature II.

**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. Pre-requisite: ENGL 252 - British Literature II.

**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. Pre-requisite: ENGL 252 - British Literature II.

**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, Neo-classical 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. All upper division English majors are encouraged to take this course. Offered every other Fall.

**ENGL 480 - Senior Project .....1**

In consultation with a faculty adviser 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 English 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 and mandatory exit testing required of graduating majors. Pre-requisite: 24 semester hours of English and the consent of the instructor. Fall, Spring.

**ENGL 291, 491 - English Seminar ..... 1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. ENGL 491 is a writing intensive and capstone course.

**ENGL 292, 492 - Experimental Course..... 1-4**

A unique course, designated by an 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, 493 - Peer Tutoring ..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**ENGL 294, 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 295, 495 - Service Learning..... 1-6**  
Credits 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.

**ENGL 296, 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 297, 497 - 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 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.

**ENGL 299, 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.

## **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 and is primarily targeted to non-business majors.

**ENTR 267H – Entrepreneurship and Leadership Seminar for TR Scholars. .... 2**  
A rigorous survey of business management and leadership principles for non-business majors enrolled in the TR Program. Students will work individually and in teams,

researching, presenting, and discussing current issues and practices in entrepreneurship, management, and leadership. TR Scholars who are business majors should take ENTR 366 – Entrepreneurship. Spring.

**ENTR 300 – Creativity and Innovation .....3**  
This course will not attempt to «teach» creativity, rather, it will use a series of activities and exercises, individually and in group, designed to stimulate, encourage, and foster creativity and innovation. Included will be discussions and readings on creative individuals throughout human history.

**ENTR 310 – Leadership and Philosophy of Entrepreneurship in a Global Society ..... 3**  
This course is designed for non-accounting and non-business majors. Individual skills and behaviors necessary to be a successful entrepreneur are distinct in the U.S. and global marketplace. This course will address the personal and interpersonal skills needed by the entrepreneurial manager. Specific skills addressed include adapting to change, negotiation, goal setting, time management, delegation, conflict resolution, team building and motivation.

**ENTR 316 – Entrepreneurial Community Development...3**  
The focus of this course is on community self-sufficiency through entrepreneurship and enterprise development, with particular attention paid to the formation and management of new-business ventures that are tied to a community's strategic planning process. Topical coverage includes the role of entrepreneurship in economic development, identification of new venture opportunities, location and market analysis, legal and tax aspects, sources of financing, financial analysis and planning for staffing and organizational structure. Legal issues include intellectual property and copyrights, as well as buy-sell agreements.

**ENTR 346 – Marketing and Management in a Global Economy.....3**  
This course is designed for non-accounting and non-business majors. Introduces concepts that will assist non-business students with marketing research and planning within a start up or expanding business in the U.S. and global market. Skills and knowledge needed to start and run a small business, including franchising and taking over a family business, will be a primary focus of the course. This course also builds on future entrepreneurs' managerial skills necessary for the growth and development of their businesses.

**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. Pre-requisite: BADM 301 – Principles of Marketing. Pre-requisite: Business Administrations majors must complete all Pre-Major courses with a "C" or better. Spring.

**ENTR 406 – Writing a Business Plan.....3**

This course is designed for non-accounting and non-business majors. With a basic understanding of entrepreneurship and/or small business management, a student is ready to write a business plan. This course will step the student through each part of writing a usable business plan, ending with a completed plan useful for either a new or existing enterprise. Pre-requisite: ENTR 266 – Beginning Entrepreneurship or ENTR 310 – Leadership and Philosophy of Entrepreneurship in a Global Society.

**ENTR 499 – Special Topics ..... 1**

SPECIAL TOPICS: A uniquely-designed advanced topics course with a specific discipline. Course content and other related academic requirements to be determined by the instructor. Requires approval by department chair.

**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. Pre-requisite: ECON 202 – Macroeconomics 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. Pre-requisites: ACCT 201 – Elements of Accounting II and ECON 202 – Principles of Macroeconomics. 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. Pre-requisites: ACCT 200 – Elements of Accounting I and ACCT 201 – Elements of Accounting II.

**FIN 426 – Corporate Finance ..... 3**

Examination of Corporate asset management with emphases 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. Pre-requisite: 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. Pre-requisite: FIN 326 – Managerial Finance. Spring.

**FOREIGN LANGUAGES**

**FL 101, 102 – First Year Foreign Languages I and II ..... 4, 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 201, 202 – Second Year Foreign Languages I and II ..... 4, 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. Pre-requisite: FL 102 – First Year Foreign Language II or equivalent.

**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. Pre-requisites: MATH 102 – Intermediate Algebra, MATH 103 – College Algebra, or consent of instructor. 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. Offered on Demand.

**GEOG 271 - Map Use and Interpretation ..... 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 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. Pre-requisites: GEOL 105/105L – Physical Geology/Lab or GEOG 121 – Physical Geography. Fall, odd years.

**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.

**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 100, GEOL 105, GEOG 121, 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. Offered on Demand.

**GEOG 380 - Applied Arc GIS ..... 3**

Concepts of Geographic Information Systems (GIS) and related technologies and their application in precision agriculture and natural resource management will be studied.

Students will work with ArcGIS and related GIS software packages to answer practical questions with GIS. Pre-requisite: CSCI 101 – Introduction to Computers or AGRI 280 – Computers in Agriculture. Fall. (Cross listed with PLSC 380)

**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.

**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 and ecological features of the African continent with primary emphasis focusing upon sub-Saharan Africa. Offered on Demand.

**GEOG 464 - Geography of Asia ..... 3**

Geography of Asia will explore selected Asian regions from the integrated perspectives of geomorphology, climate, culture, politics, and economic factors. Offered on Demand.

**GEOG 470 - Remote Sensing ..... 3**

Examination of optical, infrared, and microwave methods for remote observation of earth systems, with a focus on the use of aircraft and satellite data for addressing environmental problems. The course includes an overview of modern remote sensing systems for data collection at a variety of scales, as an introduction to digital image processing. Laboratory will involve a systematic coverage of visual and digital techniques used to interpret aerial photography and satellite imagery. Fall. Cross listed with Agriculture GIS 470 Remote Sensing.

**GEOG 480 - Concepts of Global Positioning Systems (GPS)/Geographical Information Systems (GIS) ..... 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. Pre-requisite: PLSC 380-Applied ArcGIS, or appropriate GIS experiences.. Spring. Cross listed with Agriculture GIS 480 GJPA/GISII.

**GEOG 291, 491 - Geography Seminar.....1-6**  
This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. GEOG 491 is a writing intensive and capstone course.

**GEOG 292, 492 - Experimental Course.....1-4**  
A unique course, designated by an 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, 493 - Peer Tutoring.....1-6**  
Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**GEOG 294, 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. Offered on demand  
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. Offered on demand.

**GEOG 295, 495 - Service Learning .....1-6**  
Credits 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.

**GEOG 296, 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 297, 497 - Geography 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.

**GEOG 299, 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.

## GEOLOGY

**GEOL 100 - Earth Science ..... 3**  
A broad, non-quantitative survey at the introductory level of topics in geology, oceanography, meteorology, and astronomy. These topics are designed to provide a basic understanding of the natural forces at work in our physical environment and enhance appreciation of our planet. Co-requisite: GEOL 100L - Earth Science Lab. Spring

**GEOL 100L - Earth Science Lab..... 1**  
Laboratory to accompany GEOL 100 - Earth Science. Co-requisite: GEOL100 - Earth Science. Spring

**GEOL 105 - Physical Geology..... 3**  
The study of minerals, rocks, streams, oceans, glaciers, agents in the formation and modification of the landscape, mountain building, volcanoes, and plate tectonics. Co-requisite: GEOL 105L - Physical Geology Lab. Fall, even years.

**GEOL 105L - Physical Geology Lab ..... 1**  
Laboratory to accompany GEOL 105 - Physical Geology. Co-requisite: GEOL 105 - Physical Geology. Fall, even years.

**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 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. Pre-requisites: GEOL 105/105L – Physical Geology/Lab or GEOG 121 – Physical Geography. Fall, odd years.

**GEOL 320 - Hydrogeology ..... 3**  
Physical principles of groundwater flow, nature and origin of aquifers and confining units, well hydraulics, groundwater modeling, groundwater chemistry and contaminant transport. Pre-requisites: GEOL 105/105L – Physical Geology/Lab or SOIL 210 – Introduction to Soil Science, PHYS 211/211L – College Physics I/Lab or PHYS 251/251L – University Physics I/Lab. 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 GEOL 330. Prerequisite: GEOL 100, GEOL 105, GEOG 121, or permission of instructor. Spring, odd years.

**GEOL 292, 492 - Experimental Course .....1-4**  
A unique course, designated by an 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's catalog, or its usage must be discontinued.

**GEOL 293, 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 for specific information. (Maximum eight credits may be applied to graduation.)

**GEOL 294, 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. Offered on demand  
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. Offered on demand

**GEOL 295, 495 - Service Learning.....1-6**  
Credits 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 activity and subsequently awarding of academic credit will be at the discretion of the department chair.

**GEOL 296, 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.

**GEOL 297, 497 - 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.

**GEOL 299, 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.

## GERMAN

**GERM 101, 102 - First Year German I and II ..... 4, 4**  
These courses introduce 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 201, 202 - Second Year German I and II ..... 4, 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. Pre-requisite: GERM 102 - First Year German II or equivalent. Fall, Spring.

**GERM 291, 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 writing intensive and capstone course.

**GERM 292, 492 - Experimental Course .....1-4**  
A unique course, designated by an 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, 493 - Peer Tutoring .....1-6**  
Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**GERM 294, 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 295, 495 - Service Learning..... 1-6**  
Credits 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.

**GERM 296, 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 297, 497 - German 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.

**GERM 299, 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.

## 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. Fall, Spring.

**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. Pre-requisite: 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. Pre-requisites: GDES 241, 342 - Graphic Design I and Graphic Design II. Fall.

**GDES 345 - Graphic Design Portfolio Preparation.....1**  
Development of a professional portfolio. Actual printed materials are necessary. Pre-requisites: GDES 241, 342, 343 - Graphic Design I, Graphic Design II, and 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. Pre-requisite: GDES 241 - Graphic Design I. Spring.

**GDES 291, 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 writing intensive and capstone course. Offered on demand.

**GDES 292, 492 - Experimental Course..... 1-4**  
A unique course, designated by an 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, 493 - Peer Tutoring..... 1-6**  
Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**GDES 294, 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. Offered on demand  
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. Offered on demand



**GDES 295, 495 - Service Learning ..... 1-6**

Credits 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. Offered on demand.

**GDES 296, 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 297, 497 - Graphic Design 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. Offered on demand.

**GDES 299, 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. Offered on demand

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Offered on demand.

## **HEALTH AND PHYSICAL EDUCATION**

**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 151 – Golf/Bowling.....1**

This course is designed to introduce rules, strategies, and skills for golf and bowling. Fall.

**HPER 162 – Archery/Fly Casting.....1**

This course is designed to introduce safety procedures and skills of archery and fly casting. Spring.

**HPER 170 – Varsity Athletics I.....1**

**HPER 171 – Varsity Athletics II .....1**

**HPER 172 – Varsity Athletics III.....1**

**HPER 173 – Varsity Athletics IV .....1**

Institutional credit is given for participating in a varsity sport, including rodeo and cheerleading. Credits will not fulfill the university’s general education requirement. Fall, Spring.

**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. Pre-requisites: physical and proof of insurance. Fall/Spring

**HPER 175 – Varsity Athletic Enhancement .....1**

Advanced athletic training utilizing the Athletic Republic protocol in the Human Performance Center. Institutional credit is given for participation in the varsity enhancement program; credits will not fulfill the university’s general education requirement. Varsity athletes, exercise science majors and coaching minors only. Pre-requisites: physical and proof of insurance, and HPER 174. 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. Pre-requisites: physical and proof of insurance and HPER 174. 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. Pre-requisites: physical and proof of insurance, and HPER 174. Fall/Spring

**HPER 180 – Adapted Activity I.....1**

**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. Pre-requisite: Medical recommendation.

**HPER 199 – Special Topics .....1**

A physical education activity course offered when there is interest and expertise available for an activity not listed in the catalog.

**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.

**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 – Community 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.

**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 the Elementary School .....2**

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 – Athletic Development I.....1**

This course would be the first hands on experience of training of athletes with the FAST protocols. Students will learn the design of the FAST protocol and how the protocol will manipulate training variables to meet the designed training goals. In addition, students will learn how to manipulate protocols to meet the designed training goals of the Fast Level 1 protocol. Pre-Requisites: HPER 174-Varsity Athletic Enhancement. Fall/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.. Co-requisite: HPER 328L – Biomechanics Lab. Fall/Spring.

**HPER 328L – Biomechanics Lab.....1**

Exercises and biomechanical experiments designed to complement and enhance the biomechanics lectures. Students will be introduced to various technologies and conduct performance measurements as well as administer exercise protocols. Co-requisite: HPER 328 – Biomechanics. Fall/Spring.

**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, fundamental, 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 – Advanced Athletic Development I .....2**

This course will expose the students to more advanced training concepts and protocols. Students will focus upon the design and applications of Level 2 treadmill, plyometrics and sport specific cord technology and training. The students will also understand and demonstrate applications of the concepts of special and specific strength. Pre-requisites: HPER 174 – Varsity Athletic Enhancement, HPER 241. Fall/Spring

**HPER 372 – Advanced Athletic Development II.....2**

This course will expose the students to more advanced training concepts and protocols. Students will focus upon the design and applications of advanced treadmill, plyometrics and retrograde training in addition to rehabilitation methodology. The students will expand upon understanding and demonstrate applications of the concepts of special and specific strength. Pre-requisites: HPER 174 – Varsity Athletic Enhancement, HPER 241 – 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. Pre-requisites: 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. Pre-requisites: 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. 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. Pre-requisites: HPER 208, Introduction to Physical Education, or permission of instructor. 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. 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. Pre-requisites: HPER 215, Survey of Human Anatomy and HPER 328 – Biomechanics, HPER 328L – Biomechanics Lab. Fall/Spring

**HPER 435 – Advanced Exercise Science.....3**

This course will expose students to and develop knowledge of current literature within the topics of the neuromuscular considerations of movement, motor control, advanced biomechanics, advanced physiology and strength and plyometric physiology. The course will be a hybrid course. Pre-requisites: HPER 174 – Varsity Athletic Enhancement, HPER 215 – Survey of Human Anatomy, , HPER 241 – Athletic Development I, HPER Athletic Development II, HPER 320 – Teaching Weight Training, HPER 328 – Biomechanics, HPER 328L – Biomechanics Lab, HPER 371 – Advanced Athletic Development I, HPER 372 – Advanced Athletic Development II, HPER 432 – Physiology of Exercise,. Spring.

**HPER 291, 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 writing intensive and capstone course.

**HPER 292, 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 293, 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 294, 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.

**HPER 295, 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.

**HPER 296, 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 299, 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.

## **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 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 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 & 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 nation's 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 how 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. Pre-requisite: HIST 103 – United States to 1877, or instructor consent. Offered on demand.

**HIST 305 - The National Experience 1789-1845.....3**

An examination of this critical period in American History. The two major threads of this course are implementation of the Constitution and the political adolescence of the new nation. Topics considered include the growing pains of territorial expansion and industrialism, the paradox of regionalism and nationalism, the shaping of a new democratic ideology, and the culmination of manifest destiny. Pre-requisites: HIST 103 – United States to 1877, or instructor consent. Offered on demand.

**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. Offered on demand.

**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. Pre-requisites: HIST 103 – United States to 1877 and HIST 104 – United States since 1877, or the instructor’s consent. Offered on demand.

**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. Prerequisite: HIST 103 – United States to 1877, HIST – 104 United States since 1877, or instructor consent. Offered on demand.

**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. Pre-requisite: HIST 212 – World Civilizations since 1500, or instructor consent. Offered on demand.

**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. Pre-requisite: HIST 212 – World Civilizations since 1500, or instructor consent. 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.

**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. Pre-requisite: HIST 212 – World Civilizations since 1500, or instructor consent. Offered on demand.

**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 - Soviet Union .....3**

The history of the Soviet Union traces its origins in the Bolshevik Revolution of October 1917 to its dissolution in 1991. Pre-requisite: HIST 212 – World Civilizations since 1500, or instructor consent. Offered on demand.

**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. Pre-requisites: HIST 211 – World Civilizations to 1500 and HIST 212 – World Civilizations since 1500, or instructor consent. Offered on demand.

**HIST 365 - United States Supreme Court and the Constitution .....3**

Survey of the history of the United States Supreme Court, its decisions, and its place in American history. Pre-requisites: HIST 103 – United States to 1877, HIST 104 – United States since 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. Offered on Demand.

**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. Offered on demand.

**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. Pre-requisite: HIST 212 – World Civilizations since 1500, or instructor consent. Offered on demand.

**HIST 382 - The 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. Offered on demand.

**HIST 385 - Modern America.....3**

This course is a detailed study of the 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 the Clinton impeachment. Fall, alternate years.

**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. Offered on demand.

**HIST 291, 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. HIST 491 is a writing intensive and capstone course. Pre-requisites: 21 credits in History courses.

**HIST 292, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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, 493 - Peer Tutoring ..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**HIST 294, 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. Offered on demand

**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. Offered on demand.

**HIST 295, 495 - Service Learning..... 1-6**

Credits 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.

**HIST 296, 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.

**HIST 297, 497 - History 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.

**HIST 299, 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.

## **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. Pre-requisite: 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.

## JOURNALISM

### **JOUR 201 - Interpretive and Opinion Writing..... 3**

Students learn the principles of reporting and interviewing, techniques of beginning news and feature writing, and fundamentals of media ethics and law. They contribute news stories to the Western Concept, the campus newspaper. Pre-requisite: ENGL 110 - Freshman Composition I. Fall.

### **JOUR 301 - Editing and Managing Publications.....3**

This course teaches students the fundamentals of editing, page design, copy-reading, editorial writing, and advanced techniques of news and feature writing. Students write stories for the campus newspaper. Pre-requisite: JOUR 201 - Interpretive and Opinion Writing. Spring.

### **JOUR 291, 491 - Journalism Seminar..... 1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. JOUR 491 is a writing intensive and capstone course.

### **JOUR 292, 492 - Experimental Course..... 1-4**

A unique course, designated by an 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.

### **JOUR 293, 493 - Peer Tutoring..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

### **JOUR 294, 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.

### **JOUR 295, 495 - Service Learning ..... 1-6**

Credits 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.

### **JOUR 296, 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.

### **JOUR 297, 497 - Journalism 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.

### **JOUR 299, 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.

## 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 & 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 a writing intensive and capstone course.



**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 – Service Learning Project.....3**  
 90 hours minimum service, not for pay, in a project/activity designed in collaboration with a supervising professor and a leader in some form of service organization, and approved by the director of the Theodore Roosevelt program. To be completed at any time during the course of study; 1-3 credits at a time.

**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.

## MARKETING

**MRKT 275 – Essentials of Marketing Research (on-line course).....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, throughout the entire academic year.

**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. Pre-requisite: ACCT 201 – Elements of Accounting II and ECON 202-Principles of Macro-Economics, or by permission of course instructor. Business Administration majors must complete all Pre-Major courses with a “C” or better. 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. Pre-requisite: 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. Pre-requisite: 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. Pre-requisite: MRKT 301 – Principles of Marketing. Spring.

**MRKT 491 – Business Administration Seminar: Marketing ..... 1-6**  
 Explores specific topics which are not covered in regularly scheduled course work.

**MRKT 294, 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 the 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.

**MRKT 297, 497 – Business Internship, Externship, Cooperative Education ..... 1-6**  
 Student will be placed in a 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. Students may take up to twelve semester hours, receiving a maximum of three semester hour credits in the Business Administration major. Pre-requisites: 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, 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:** Reading in educational and various specific professional publications and journals related to a specific academic discipline. Requires approval by department chair.

## MATHEMATICS

**MATH 101 – Introduction to Algebra.....3**  
 This course is designed to prepare students to be successful in Algebra at the university level. This is a course in introductory algebra for those students who have never had high school algebra, or the student who needs to brush up on concepts. Prerequisite: placement test. Credits not applicable for a major or minor program and will not apply toward general education mathematics requirement. S/U grading only. In addition to the three lecture hours per week, this course includes additional meeting times for supplemental instruction. Fall, Spring.

**MATH 102 - Intermediate Algebra .....3**  
 Properties of the real number system, factoring, linear and quadratic equations, functions, polynomial and rational expressions, inequalities, systems of equations, exponents, and radicals. Prerequisite: placement test or MATH 101. Will not apply toward general education mathematics requirement. Fall, Spring.

**MATH 103 - College Algebra .....4**  
 A first course in college level mathematics for students who have completed two years of high school algebra or the equivalent. Function notation, graphing, linear and quadratic functions, radicals, exponents, logarithmic function, exponential function, system of equations. It is designed for those who plan to take calculus or other courses where college algebra and trigonometry are needed. Prerequisite: placement test or MATH 102 - Intermediate Algebra or equivalent. Fall, Spring.

**MATH 105 - Trigonometry .....2**  
 Angle measure, trigonometric and inverse trigonometric functions, trigonometric identities and equations, polar coordinates, applications. Prerequisite: placement test or MATH 103-College Algebra or equivalent. Fall.

**MATH 107 - Pre-Calculus.....4**  
 The study of relations and functions. In particular, the study of polynomial, rational, exponential, logarithmic, trigonometric, and circular functions. Also included will be absolute value and inequalities. The use of a graphic calculator will be required. Prerequisite: placement test. 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. Spring.

**MATH 127 - Matrix Fundamentals.....2**  
 Systems of linear equations, row operations, matrix operations, inverses, determinants, linear independence, eigenvalues and eigenvectors. Spring.

**MATH 146 - Applied Calculus I .....3**  
 This is a course for business and other non-mathematics majors and minors. Topics include functions and their graphs, rates of changes, limits, continuity, differentiation, integration and applications in the areas of business, economic and social science. Prerequisite: Placement test or MATH 103-College Algebra 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: placement test 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. Fall, 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 or Placement Score of 21 or higher. 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 265 - Calculus III .....4**  
 Sequences, series, conics, polar coordinates, calculus of several variables. Prerequisite: MATH 166-Calculus II. Prerequisite or Co-requisite MATH 127 – Matrix Fundamentals. Fall.

**MATH 266 - Introduction to Differential Equations.....3**  
 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 265 – Calculus III. Spring

**MATH 277 - Mathematics for Elementary Teachers .....3**  
 A mathematics content course for prospective elementary teachers. Topics include problem-solving techniques, sets, functions, numeration systems, number bases other than base ten, elementary number theory, operations on whole numbers and rational numbers, and proportional reasoning. Calculators, computers and manipulatives are used in the course. This course is part of the elementary methods block in fall. Prerequisite: MATH 103 - College Algebra. Fall.

**MATH 305 - Probability & 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 a placement score of 21 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. Fall.

**MATH 327 - Linear Algebra .....4**

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.

**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. This course is designated as a writing intensive course. Prerequisites: MATH 165-Calculus I. or consent of instructor. Fall – odd-numbered years.

**MATH 380 - Linear Programming.....3**

An introductory course in theoretical and applied linear programming. Includes the use of linear programming packages. Prerequisite: MATH 103-College Algebra. Offered on demand.

**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. This course is designated as a writing intensive course. Prerequisite: MATH 265-Calculus III and MATH 326-Abstract Algebra. Co-requisite: MATH 491 – Mathematics Seminar. Spring.

**MATH 425 - Mathematical Statistics .....3**

Introduction to probability, permutations, combinations, discrete and continuous random variables, moment generating function, sampling distributions. Prerequisite: MATH 166 - Calculus II or equivalent. Spring.

**MATH 430 - History of Mathematics.....2**

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. Offered on demand.

**MATH 436 - Theory of Numbers.....3**

Positive integers and divisibility properties. Unique factorization, theory of congruences, Diophantine equations. Prerequisite: MATH 166 - Calculus II. Offered on demand.

**MATH 291, 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. MATH 491 is designated as a writing intensive course and as a capstone experience course for mathematics majors, includes exit exam preparation. Prerequisite: Senior status or approval of department chair. Co-requisite/Prerequisite: MATH 411 – Introduction to Real Analysis. Spring.

**MATH 292, 492 - Experimental Course..... 1-4**

A unique course, designated by an 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, 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 for specific information. (Maximum eight credits may be applied to graduation.)

**MATH 294, 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 295, 495 - Service Learning..... 1-6**

Credits 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 departmental chair.

**MATH 296, 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 297, 497 - Mathematics 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.

**MATH 299, 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.

## 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 110 - Foundations of Music.....3**  
 This course is designed for the Elementary Education Major as preparation for MUSC 305 - Music Activities for Elementary Teachers. Counts towards general education requirements for elementary education majors only. Hands-on collaborative/cooperative learning activities that enable students to learn the basic fundamentals of music in an experiential context. Fall, Spring.

**MUSC 120 - Introduction to Music Literature .....3**  
 This course develops the student's familiarity with composers and compositions from antiquity to the present including a survey of music from non-western cultures. Focus is on listening and identification of style and period. MUSC 120 is a pre-requisite for MUSC 326 and MUSC 327. Spring.

**MUSC 122 - Music Theory I .....3**  
 This course teaches the fundamentals of written music, including notation, key relationships, rhythm, and harmony. This is the first course of a four-semester sequence. Co-requisite: MUSC 123 - Aural Skills I, MUSC 130 – Piano Keyboard Skills I. Fall.

**MUSC 123 - Aural Skills I.....1**  
 Aural training and sight singing to parallel Music Theory I. Co-requisite: MUSC 122 - Music Theory I, MUSC 130 – Piano Keyboard Skills I. Fall.

**MUSC 124 - Music Theory II.....3**  
 This course is a continuation of MUSC 122 - Music Theory I. It teaches a more intensive study of harmony as a fundamental element of music. This course is the second of a four-semester sequence. Pre-requisite: MUSC 122 - Music Theory I. Co-requisite: MUSC 125 - Aural Skills II, MUSC 131 – Piano Keyboard Skills II. Spring.

**MUSC 125 - Aural Skills II .....1**  
 Aural training and sight singing to parallel Music Theory II. Co-requisite: MUSC 124 - Music Theory II, MUSC 131 – Piano Keyboard Skills II. 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 135N - Performance Class .....0**  
 This course provides students in applied music the opportunity to perform publically. 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 137 - 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. Fall, Spring.

**MUSC 171 - 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 172 - Piano Class II .....1**  
 Continuation of MUSC 171 - Piano Class I. Spring.

**MUSC 181 - Voice Class I.....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 236 - University Chorale. Fall.

**MUSC 182 - Voice Class II .....1**  
 This course for non-music majors is a continuation of MUSC 181 - Voice Class I.

**MUSC 183 - Voice for Instrumentalists .....2**  
 This course provides the instrumentalist with the foundations for singing to enable him/her to demonstrate musical lines using the voice. Includes basics of posture, breathing, phonation, and resonance. One semester of applied voice may substitute. Fall, Spring.

- MUSC 206 - Basic Conducting .....2**  
The fundamentals of conducting, including beat patterns, cueing, cut-offs, score preparation and rehearsal methods for both instrumental and choral ensembles. Pre-requisite: MUSC 124 - Music Theory II. Fall, alternate years.
- MUSC 222 - Music Theory III.....3**  
This course is a continuation of MUSC 124 - Music Theory II. It teaches the history of musical technique in an advanced study of harmony and application of theory to the keyboard. This course is the third of a four-semester sequence. Pre-requisite: MUSC 124 - Music Theory II. Co-requisite: MUSC 223 - Aural Skills III. Fall.
- MUSC 223 - Aural Skills III.....1**  
Aural training and sight singing to parallel Music Theory III. Co-requisite: MUSC 222 - Music Theory III. Fall.
- MUSC 224 - Music Theory IV .....3**  
This course is a continuation of MUSC 222 - Music Theory III. It teaches the history of musical technique advanced harmony in the application of music theory to the keyboard. This course is the fourth in a four-semester sequence. Pre-requisite: MUSC 222 - Music Theory III. Co-requisite: MUSC 225 - Aural Skills IV. Spring.
- MUSC 225 - Aural Skills IV .....1**  
Aural training and sight singing to parallel Music Theory IV. Co-requisite: MUSC 224 - Music Theory IV. Spring
- 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 231 - Keyboard Skills III .....1**  
Continuation of MUSC 131 – Piano Keyboard Skills II. May be taken in preparation for MUSC 230N - Piano Proficiency Exam. Fall.
- 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 253 - Woodwind Class .....3**  
Class instruction in woodwind instruments for vocal and instrumental music education majors with emphasis on pedagogical principles, applied competency of fundamentals and literature. Fall, alternate years.
- MUSC 255 - Brass Class.....3**  
Class instruction in brass instruments for vocal and instrumental music education majors with emphasis on pedagogical principles, applied competency of fundamentals and literature. Spring, alternate years.
- MUSC 257 - Percussion Class .....2**  
An instrumental methods course focusing on teaching percussion in the classroom; emphasizes correct performance practices, literatures, and class teachings. Fall, alternate years.
- MUSC 259 - Strings Class .....2**  
Class instruction in string instruments (violin, viola, cello, and bass) with emphasis on pedagogical principles, applied competency of fundamentals and literature. Spring, alternate years.
- MUSC 300 - 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. Pre-requisite: MUSC 124 - Music Theory II. Fall, alternate years.
- MUSC 301 - Improvisation II .....2**  
A continuation of MUSC 300 - Improvisation I. More advanced techniques and ideas of improvisational performance, including modal changes, idea structuring, and analysis of progressions other than the Blues. Pre-requisite: MUSC 300 - Improvisation I. Spring, alternate years.
- MUSC 305 - Music Activities for Elementary Teachers.....2**  
Required for elementary education majors and minors, this course does not apply towards the music majors and minor, nor the general studies requirements. Hands-on collaborative/cooperative learning activities to develop the skill of using music in an inter-disciplinary teaching context. This course requires basic music reading skills covered in MUSC 110. Pre-requisite: MUSC 110 - Foundations of Music. Fall, Spring.
- MUSC 306 - Instrumental Conducting.....2**  
This course examines the fundamentals of conducting including basic beat patterns, cueing, cut-offs, treatments of fermatas, and use of gesture. Students will discuss score preparation and rehearsal methods for instrumental ensembles. Pre-requisite: MUSC 124 - Music Theory II. Fall, alternate years.
- MUSC 307 - 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. Pre-requisite: MUSC 124 - Music Theory II. Co-requisite: MUSC 236/336 Spring, alternate years.
- MUSC 310 - 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. Pre-requisite: MUSC 124 – Music Theory II. Spring.
- MUSC 317 - Music Theatre.....1-3**  
Production of operas, opera workshop, Broadway musicals, variety shows, etc. Fall, Spring.

**MUSC 320 - 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 325 - Vocal Pedagogy and Diction.....3**

Pre-requisite: Junior standing and four semesters of private voice study at the collegiate level. The objective of this course is to provide students with an understanding of the basics of teaching the singing voice, including basic anatomy of the singing mechanism. This course will include solo methods, techniques, and literature appropriate for the junior and senior high school student. Students will also learn the International Phonetic Alphabet and its application to singing diction of English, Italian, French, and German. Includes the teaching of studio and class voice. Fall, alternate 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 the Baroque and Rococo Periods. Musical styles, events, composers, and music literature are covered. Pre-requisite: MUSC 120 – Introduction to Music Literature and MUSC 124 – Music Theory II. Fall, alternate 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 the present are covered. Pre-requisite: MUSC 326 – Music History and Literature I. Spring, alternate years.

**MUSC 330 - Contemporary Music.....2**

Trends in European and American music from about 1910 to the present, with emphasis on music since 1920.

**MUSC 335 - Instrumental Arranging .....2**

Instrumentation and techniques of scoring music for various ensembles, with emphasis on the needs of the public school. Pre-requisite: MUSC 224 - Music Theory IV. Fall, alternate years.

**MUSC 405 - Musical Form and Analysis.....2**

Analysis of the principal forms of music. Embraces various schools and representative composers. Pre-requisite: MUSC 222, 326, - Music Theory III and Music History and Literature I. Spring, Alternate years.

**MUSC 406 - 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. Pre-requisite: MUSC 224 - Music Theory IV. Spring, alternate years.

**MUSC 420 - Composition.....2**

Composition in traditional styles and/or electronic media. Pre-requisite: MUSC 224 - Music Theory IV. May be repeated. Offered according to interest and enrollment.

**MUSC 425 - Piano Pedagogy .....2**

A study and application through laboratory teaching of methods and materials for piano teaching to include analysis of keyboard literature. Pre-requisite: MUSC 131 - Piano Keyboard Skills II or consent of instructor. Offered according to interest and enrollment.

The following courses are Applied lessons. Special fees apply. Admission by consent of department chair and instructor and offered to meet program requirements.

**MUSC 138, 238, 338, 438 - Voice .....1-2**

Pre-requisite: Must have a basic knowledge of piano keyboard in order to play melodic lines for practicing class assignments. Co-requisite: Enrollment in Chorale and MUSC 135N – Performance Class.

**MUSC 139, 239, 339, and 439 - Piano .....1-2**

One-to-one instruction focusing on the students particular needs. Emphasis is on technique and repertoire. Weekly lessons and accompanying projects may be required. Co-requisites: Enrollment in Chorale, Concert Band, or Jazz Band and MUSC 135N – Performance Class.

**MUSC 141, 241, 341, 441 - Flute.....1-2**

Co-requisite: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class. ....

**MUSC 142, 242, 342, 442 - Oboe .....1-2**

Co-requisite: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 143, 243, 343, 443 - Clarinet .....1-2**

Co-requisite: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 144, 244, 344, 444 - Saxophone.....1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 145, 245, 345, 445 - Bassoon .....1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 146, 246, 346, 446 - Trumpet .....1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 147, 247, 347, 447 - Horn ..... 1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 148, 248, 348, 448 - Trombone..... 1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 149, 249, 349, 449 - Euphonium ..... 1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 150, 250, 350, 450 - Tuba..... 1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 151, 251, 351, 451 - Percussion ..... 1-2**

Co-requisites: Enrollment in Chorale, Concert Band, as appropriate to instrument and MUSC 135N – Performance Class.

**MUSC 388 - Junior Recital .....1**

**MUSC 488 - Senior Recital ..... 1**

The following courses are Ensembles, and are offered to meet the requirements of the program.

**MUSC 236, 336 - Chorale.....1**

An ensemble of selected singers performing literature from the traditional repertoire and contemporary repertoire. In addition to campus concerts, the chorale takes a bi-annual regional tour. Open to all students by audition, the chorale rehearses three hours per week. Some individual preparation is expected of each member. Fall, Spring.

**MUSC 237, 337 - Concert Band.....1**

An ensemble of selected wind and percussion instrumentalists performing literature of traditional and contemporary repertoire. In addition to presenting campus concerts, this group takes a bi-annual regional tour. Open to all students by means of audition. One hour rehearsal, four times a week. Meets four hours per week. Fall, Spring.

**MUSC 238 - 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. Fall, Spring.

**MUSC 252 - 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: MUSC 237/337. Fall, Spring.

**MUSC 376 - Vocal Pop Singers.....1**

The Vocal Pop Singers is an audition membership primarily student led group that performs vocal jazz and popular music of various styles. Fall, Spring.

**MUSC 377 - 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. Fall.

**MUSC 378 - Chamber Singers.....1**

Chamber Singers is an eight to 12 voice vocal small ensemble open to all students through audition. Chamber Singers perform literature from all historical periods with a particular emphasis on Medieval, Renaissance, and Twentieth Century periods. Meets twice weekly. Fall, Spring.

**MUSC 384 - 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. Fall, Spring.

**MUSC 385 - 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. Fall, Spring.

**MUSC 386 - 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. Fall, Spring.

**MUSC 387 - 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. Fall, Spring.



**MUSC 291, 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 writing intensive and capstone course.

**MUSC 293, 493 - Peer Tutoring..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**MUSC 294, 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 295, 495 - Service Learning ..... 1-6**

Credits 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.

**MUSC 296, 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 297, 497 - Music 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.

**MUSC 299, 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.

## 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, and homeostasis. 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. Pre-requisites: 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 through 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) Concepts of Self and Well-being, (5) Gastrointestinal Assessment and Inflammatory Bowel Disorders, (6) Cardiac and Vascular Disorders, (7) Neurological Assessment and Neurologic Disorders, (8) Psychiatric/Mental Health Nursing and Therapeutic Communication Skills, (9) Conception and Fetal Development. , Pre-requisites: NURS 121 – Basic Nursing Concepts I, NURS 198A – Basic Nursing Concepts Clinical I, CHEM 115, 115L – Introductory Chemistry and Lab, BIOL 211, 211L – Human Anatomy and Lab, PSYC 111 – Introduction to Psychology. Co-requisite: NURS 198B – Basic Nursing Concepts Clinical II. Spring.

**NURS - 188, 288, 388, 488 Pre-professional Activities.... 1-4**

These elective courses involve participation in the Nursing Students Association (NSA) and are designed to aid in the development of professional roles, responsibilities and organizational skills. The student is provided leadership opportunities via campus/community service, continuing education offerings, and political involvement at local, state, and national levels. Registration for these courses occurs in the spring semester (limited to 1 CH per year), retroactive to participation beginning in the fall semester. S/U grading only. 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. Foundational values in the discipline of nursing included in the clinical course are: caring, integrity, respect, advocacy and accountability. Pre-requisites: High school chemistry and algebra, or equivalent. Co-requisite: NURS 121 – Basic Nursing Concepts I. S/U grade only. Fall.

**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. Pre-requisites: NURS 121 – Basic Nursing Concepts I, NURS 198A – Basic Nursing Concepts Clinical I, CHEM 115, 115L – Introductory Chemistry and Lab, BIOL 211, 211L – Human Anatomy and Lab, PSYC 111 – Introduction to Psychology. Co-requisite: NURS 131 – Basic Nursing Concepts II. S/U grade only. Spring.

**NURS 215 – Introduction to Pharmacology ..... 2**

NURS 215 introduces the student to concepts and principles related to basic pharmacology relevant to nursing care and focuses on safe, effective drug therapy for stable, well-defined patient populations. 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. The Department of Nursing values of caring, integrity, respect, advocacy and accountability are foundational principles interwoven throughout the curriculum.

NOTE: Students not enrolled in the nursing program may take this course, provided they have permission of the faculty teaching the course. 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 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-psycho-social being, as well as focusing on the impact of culture and spirituality in mental illness. Pre-requisites: NURS 131 – Basic Nursing Concepts II, NURS 198B – Basic Nursing Concepts Clinical II, NURS 240 – Fundamentals of Nutrition, PSYC 250 – Developmental Psychology, and BIOL 212, 212L – Human Physiology and Lab. Co-requisite: NURS 298A – Psychiatric/Mental Health Nursing Clinical. Summer.

**NURS 240 – Fundamentals of Nutrition ..... 2**

NURS 240 introduces the student to basic facts, principles and concepts relating to nutrition throughout the life cycle. The course focuses on: 1) helping the client achieve or maintain optimal nutritional status in promoting health and adaptation, and coping with illness; 2) studying nutritional disorders and deficiencies. The course emphasizes the application of these concepts in nursing situations. Pre-requisite: CHEM 115, 115L – Introductory Chemistry and Lab.

NOTE: NURS 240 is also available to students not enrolled in the Nursing Program. 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, identifying pertinent concepts from academic support courses. Pre-requisites: 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. 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. Pre-requisites: NURS 241 – Intermediate Nursing Concepts I, NURS 298B – Intermediate Nursing Concepts Clinical I, NURS 215 – Introduction to Pharmacology. Co-requisite: NURS 298C – Intermediate Nursing Concepts Clinical II. Spring.

**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 clients of all ages and stages of growth and development to optimize mental health. Clinical experiences encompass nursing practices that protect, promote, and optimize health/abilities. Foundational values in the discipline of nursing included in the clinical course are: caring, integrity, respect, advocacy and accountability. A portion of the clinical experience may be offered at the North Dakota State Hospital located in Jamestown. Pre-requisites: NURS 131 – Basic Nursing Concepts II, NURS 198B – Basic Nursing Concepts Clinical II, NURS 240 – Fundamentals of Nutrition, PSYC 250 – Developmental Psychology, and BIOL 212, 212L – Human Physiology and Lab. Co-requisite: NURS 231 – Psychiatric/Mental Health Nursing. S/U grade only. Summer.

**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. Foundational values in the discipline of nursing included in the clinical course are: caring, integrity, respect, advocacy and accountability. Pre-requisites: 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.

**NURS 298C – Intermediate Nursing Concepts**

**Clinical II ..... 4**  
 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. Foundational values in the discipline of nursing included in the clinical course are: caring, integrity, respect, advocacy and accountability. The student is more self-directed and the course culminates in summative evaluation of AASPN program outcomes. Pre-requisites: NURS 241 – Intermediate Nursing Concepts I, NURS 298B – Intermediate Nursing Concepts Clinical I, NURS 215 – Introduction to Pharmacology. Co-requisite: NURS 251 – Intermediate Nursing Concepts II. S/U grade only. Spring.

**NURS 316 – Advanced Concepts I Adult Health ..... 4**

This course focuses on advanced nursing concepts related to individuals 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 resulting in restorative, supportive and promotive care. Pre-requisites: BIOL 357 – Pathophysiology, NURS 321 – Health Assessment, NURS 398A – Health Assessment Clinical, NURS 328 – Nursing Role Transition. 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. Pre-requisites: 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. Pre-requisite: Admission to the BSN Completion Program. Co-requisites: NURS 321 – Health Assessment, NURS 398A – Health Assessment Clinical. 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. Pre-requisites: 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 331 – Community Health I, NURS 398B – Clinical Concepts I. Spring.

**NURS 331 – Community Health I.....2**

This course integrates nursing theory with foundational community/public health concepts to support and promote the health of individuals and families across the lifespan in various health care and community settings. The application of the nursing process evolves to the care of stable and unstable families. Interdisciplinary aspects of the health care system are explored in relation to utilizing appropriate resources to meet client needs. Pre-requisites: 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 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 promote or maintain the health of an individual. Pre-requisites: 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 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 provide nursing care in various settings. Pre-requisites: 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 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 restore, support and promote health. Pre-requisites: All 300 level nursing courses. Co-requisites: PSYC 370 – Abnormal Psychology, 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 restore, support and promote health across the lifespan. Pre-requisites: All 300 level nursing courses, PSYC 370 – Abnormal Psychology, 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 and 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. Pre-requisites: All 300 level nursing courses. Co-requisites: NURS 415 – Advanced Concepts II Child Health, NURS 431 – Community Health II, NURS 498A – Clinical Concepts II, PSYC 370 – Abnormal Psychology. 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. Importance is placed on providing culturally appropriate care for vulnerable and increasingly diverse populations and addressing concerns surrounding environmental and global health issues. Pre-requisites: All 300 level nursing courses. Co-requisites: PSYC 370 – Abnormal Psychology, 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 that restore, support and promote health of individuals with stable/unstable, ill defined, acute and chronic illness. Predictive exams assess NCLEX-RN readiness and provide opportunities to prepare for successful licensure. Pre-requisites: All 300 level nursing courses, PSYC 370 – Abnormal Psychology, 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 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 are provided that require application of communication, therapeutic nursing interventions, critical thinking and program values to restore, support and promote health. Pre-requisites: All 300 level nursing courses. Co-requisites: PSYC 370 – Abnormal Psychology, 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 .....5**

This capstone course builds upon Clinical Concepts II by 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 health care team promotes mastery of entry level registered nurse competencies. Pre-requisites: All 300 level nursing courses, PSYC 370 – Abnormal Psychology, 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 291, 491 – Nursing Seminar .....1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework.

**NURS 292, 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 293, 493 – Peer Tutoring .....1-8**

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, 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 295, 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.

**NURS 296, 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 299, 499 – Special Topics, Readings .....1-6**

SPECIAL TOPICS: A unique 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.

## PHILOSOPHY AND RELIGIOUS STUDIES

**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.

**RELS 203 - World Religions .....3**

An introduction to the origin and major tenets of Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity, and Islam.

**RELS 220 - Old Testament ..... 3**

A study of the religious, political, and social history of ancient Israel as reflected in the Hebrew Bible.

**RELS 230 - New Testament .....3**

An overview of the developments in the primitive Christian community as reflected in the New Testament.

**RELS 291, 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 writing intensive and capstone course.

**RELS 292, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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, 493 - Peer Tutoring ..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**RELS 294, 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 295, 495 - Service Learning..... 1-6**

Credits 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.

**RELS 296, 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.

**RELS 297, 497 - Religion 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.

**RELS 299, 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.

## PHYSICS

**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. Pre-requisite: 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. Co-requisite: PHYS 211 - College Physics I. Fall.

**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. Pre-requisite: PHYS 211, 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. Co-requisite: PHYS 212 - College Physics II. Spring.

**PHYS 251 - University Physics I.....4**

Calculus-based classical physics which covers the principles of Newtonian mechanics and gravitation, work and energy, solids and fluids, and heat and thermodynamics. Pre-requisite: 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, Spring, even years.

**PHYS 252 - University Physics II.....4**

Calculus-based classical physics which covers the principles of electricity and magnetism, vibrations and waves, light and optics, and an introduction to modern physics. Pre-requisite: Math 165, 166 - Calculus I and 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. Co-requisite: PHYS 252 - University Physics II. Fall, even years.

**PHYS 291, 491 - Physics Seminar..... 1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled course work.

**PHYS 292, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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's catalog, or its usage must be discontinued.

**PHYS 293, 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 for specific information. (Maximum eight credits may be applied to graduation.)

**PHYS 294, 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. Offered on demand

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. Offered on demand.

**PHYS 295, 495 - Service Learning ..... 1-6**

Credits 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 activity and subsequently awarding of academic credit will be at the discretion of the department chair.

**PHYS 296, 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 297, 497 - 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 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.

**PHYS 299, 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.

## **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. Offered on demand.

**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 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. Offered on demand.

**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. Offered on demand.

**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. 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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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 - The Russian Federation and Former Soviet Union .....3**

This course focuses on the ideology and 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. Offered on demand.

**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. Spring alternate years.

**POLS 365 – United States Supreme Court and the Constitution .....3**

Survey of the history of the United States Supreme Court, its decisions, and its place in American history. This course is cross-listed with HIST 365. Prerequisites: HIST 103 – United States to 1877, HIST 104 – United States since 1877, POLS 115 – American Government. Spring, alternate years Cross listed with HIST 365.

**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 291, 491 - Political Science Seminar ..... 1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. POLS 491 is a writing intensive and capstone course.

**POLS 292, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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, 493 - Peer Tutoring ..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**POLS 294, 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. Offered on demand  
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. Offered on demand.

**POLS 295, 495 - Service Learning..... 1-6**

Credits 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.

**POLS 296, 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 297, 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.

**POLS 299, 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.

## **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 pre-requisite 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. Pre-requisite: 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 and K-12 education majors. Pre-requisite: 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. Pre-requisite: PSYC 111 – Introduction to Psychology. Fall.

**PSYC 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. Pre-requisite: PSYC 111 – Introduction to Psychology. Fall, Spring.

**PSYC 289H – 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. Pre-requisite: PSYC 111 – Introduction to Psychology. Restricted to psychology majors, TR Scholars, HR minors or with permission of instructor. Fall.

**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 which 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. Pre-requisites: BIOL 211, 211L – Human Anatomy and Lab, or HPER 215 – Survey of Human Anatomy, PSYC 260 – History and Systems. Fall, Spring.

**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. Pre-requisite: 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. Pre-requisites: PSYC 111 – Introduction to Psychology and PSYC 260 – History and Systems. Spring.

**PSYC 345 – Research and Experimentation in Psychology .....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. Pre-requisites: MATH 305 – Probability and Statistics, PSYC 260 – History and Systems. Fall, 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. Pre-requisite: 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. Pre-requisite: PSYC 111 – Introduction to Psychology. Spring.

**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. Pre-requisite: 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. Pre-requisite: PSYC 111 – Introduction to Psychology. Restricted to nursing majors or with permission of instructor. Fall. Restricted to psychology majors or with permission of instructor. Spring.

**PSYC 375 – Theories of Personality .....3**

What personality is and how it develops are the themes of this course. Major theories are explained including terminology, structure, and meaning. A significant component is applying course material to understand one's own persona. Pre-requisite: 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. Pre-requisites: PSYC 250 – Developmental Psychology, PSYC 370 – Abnormal Psychology, PSYC 375 – Theories of Personality. Spring.

**PSYC 491 – Psychology Seminar ..... 1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. PSYC 491 is a writing intensive and capstone course. Pre-

requisites: Senior standing and PSYC 345 – Research and Experimentation in Psychology. Fall, Spring.

**PSYC 292, 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 293, 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 294, 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. Open only to majors and minors with consent of 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.

**PSYC 295, 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.

**PSYC 296, 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 297, 497 – Psychology Internship, Externship, Cooperative Education ..... 1-6**

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. Pre-requisites: Senior standing, PSYC 370 – Abnormal Psychology, PSYC 375 – Theories of Personality. Fall, Spring.

**PSYC 299, 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.

## SCIENCE

### **SCNC 105 - Physical Science I.....3**

This course provides an overview of 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. Pre-requisite: MATH 103 – College Algebra. Co-requisite: SCNC 105L – Physical Science Lab. Fall

### **SCNC 105L - Physical Science I Laboratory.....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. Fall

### **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.

### **SCNC 292, 492 - Experimental Course..... 1-4**

A unique course, designated by an 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's catalog, or its usage must be discontinued.

### **SCNC 293, 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 for specific information. (Maximum eight credits may be applied to graduation.)

### **SCNC 294, 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. Offered on demand  
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. Offered on demand

### **SCNC 295, 495 - Service Learning ..... 1-6**

Credits 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 activity and subsequently awarding of academic credit will be at the discretion of the department chair.

### **SCNC 296, 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 297, 497 - 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.

### **SCNC 299, 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.

## SECONDARY EDUCATION

### **SEED 298 – Pre-Professional Experience: Secondary..... 1**

Students taking this course will have practical experience in the school classroom in aide work, individually working with students, correcting tests/papers, and performing a multitude of activities required of teachers on an everyday basis. The students will be engaged in observation of the teaching/learning process at the secondary level, which will expose them to the operating procedures of the secondary classroom. This course must be taken in conjunction with EDUC 250 – Introduction to Education and EDUC 210, Educational Technology. S/U grading only. Fall, Spring.

### **SEED 300 – Secondary Curriculum and Effective Teaching .....3**

This course will include an exploration of secondary curriculum through the development of unit plans, lesson plans, and performance-based objectives. Effective instructional strategies, as well as approaches to multicultural education and classroom management issues, will be examined in depth as they apply to secondary classrooms, including middle schools. Co-requisites: SEED 370 – Reading in the Content Areas, SEED 398B – Secondary Methods Block Field Experience, EDUC 300 – Teaching for Diversity, and EDUC 360 – Managing the Learning Environment. Pre-requisite: Admission to Teacher Education. 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. Co-requisites: SEED 300 – Secondary Curriculum and Effective Teaching, SEED 398B, Secondary Methods Block Field Experience, EDUC 300 – Teaching for Diversity, and EDUC 360 – Managing the Learning Environment. Pre-requisite: Admission to Teacher Education. 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. Some field service is required. Pre-requisite: Junior standing and Admission to Teacher Education. Alternate 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. Pre-requisite: Admission to Teacher Education. Spring.

**SEED 390X – Teaching Secondary School Mathematics ..3**

A mathematics methods course for prospective junior and senior high school teachers. This course includes curriculum planning, current trends in mathematics education, NCTM (National Council of Teachers of Mathematics) standards, current strategies, technologies, and revised content. This course is a writing intensive course to help teachers to become reflective decision-makers. Pre-requisite: Declared major or minor in mathematics education and Admission to Teacher Education. S/U grading only. Spring.

**SEED 398B – Secondary Methods Block Field Experience .....2**

A course designed as an intensive field experience in a secondary classroom with specific responsibilities for lesson planning, execution and post-reflective evaluation. The experience is structured to use a specific lesson plan design, adopt teacher recommended lesson designs to deliver a minimum of nine lessons connected to courses in the secondary methods block, e.g., discipline area, reading, and diversity. Students must use a journal, lesson assessment procedures, and complete post-implementation reflection forms. Co-requisites: SEED 300 – Secondary Curriculum and Effective Teaching, SEED 370 – Reading in the Content Areas, EDUC 300 – Teaching for Diversity, and EDUC 360 – Managing the Learning Environment. Pre-requisite: Admission to Teacher Education. S/U grading only. Fall, Spring.

**SEED 398C – Secondary Field Experience: Mentoring in the Classroom.....1**

In this course students will be placed in a secondary classroom setting where they will work with students as a mentor/tutor on an individual basis. Pre-requisite: Admission to Teacher Education. S/U grading only. Fall, Spring.

**SEED 490A – Art Methods for Secondary Education .....3**

Methods of teaching art in the secondary school, including curriculum planning, current trends, philosophy, and materials for the junior and senior high. Development of lesson plans with emphasis on multi-culturalism and the teacher as a reflective decision maker. Designed for the art specialist, this course includes peer teaching and teacher-aide situations. Pre-requisite: Admission to Teacher Education. Spring.

**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. Pre-requisite: Admission to Teacher Education. 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. Pre-requisite: CSCI 160 – Computer Science I and Admission to Teacher Education.. 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. Pre-requisite: Admission to Teacher Education. Spring

**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. Pre-requisite: 12 hours of Spanish or equivalent and Admission to Teacher Education. Spring.

**SEED 490L – Methods of Teaching Secondary Language Arts .....3**

Methods of Teaching Secondary Language Arts offers students a variety of theoretical stances related to the methodologies of teaching language arts at the secondary level, several opportunities to practice an integrated approach to teaching language arts, and independent reading to develop the habits of reflective decision-making. Pre-requisite: Admission to Teacher Education.

**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. Some field service is required. Junior standing and Admission to Teacher Education. Alternate 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. Pre-requisite: Admission to Teacher Education. Spring.

**SEED 491 – Secondary 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 to seniors and by consent of the instructor. SEED 491 is a writing intensive and capstone course. Pre-requisite: Admission to Teacher Education.

**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. Pre-requisites: Full Admission to Teacher Education and satisfactory completion of Portfolio final review. Fall, Spring.

**SEED 292, 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 293, 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 294, 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. The course is open only by the consent of the department chair. Pre-requisite: 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. The course is open only by the consent of the department chair. Pre-requisite: Admission to Teacher Education.

**SEED 295, 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.

**SEED 296, 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 299, 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.

**SOCIAL SCIENCE**

**SSCI 291, 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 writing intensive and capstone course.

**SSCI 292, 492 - Experimental Course..... 1-4**

A unique course, designated by an 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, 493 - Peer Tutoring..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**SSCI 294, 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. Offered on demand  
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. Offered on demand.

**SSCI 295, 495 - Service Learning ..... 1-6**

Credits 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.

**SSCI 296, 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 297, 497 - Social 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.

**SSCI 299, 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.

**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. Pre-requisites: SOC 110 - Introduction to Sociology and POLS 115 - American Government. Fall

**SWK 257 - Human Behavior in the Social Environment...4**  
 An introductory course for social work majors. Review of the behavioral science base of human behavior for social work practice, including interpretation of the biological, psychological social, and cultural determinants of human behavior of children and adolescents in the family system. Introduction to Psychology recommended as pre-requisite.

Pre-requisites: BIOL 111, 111L, – Concepts of Biology and Lab, PSYC 111 – Introduction to Psychology, and SOC 110 – Introduction to Sociology.. 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 contexts in different countries as they shape social work and social welfare. (Recommended for social work students only, or by permission of instructor.) Spring.

**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. 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 in on the U.S., but comparisons with criminal justice systems in other societies may be included. Offered on demand.

**SOC 253 - Juvenile Delinquency .....3**  
 The study of juvenile delinquency is a specialized area of study within sociology 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. Offered on demand.



**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**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. Offered on demand.

**SOC 291, 491 - Sociology Seminar ..... 1-6**

This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. SOC 491 is a writing intensive and capstone course.

**SOC 292, 492 - Experimental Course ..... 1-4**

A unique course, designated by an 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, 493 - Peer Tutoring ..... 1-6**

Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**SOC 294, 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. Offered on demand

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. Offered on demand

**SOC 295, 495 - Service Learning..... 1-6**

Credits 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.

**SOC 296, 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 297, 497 - Sociology 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.

**SOC 299, 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.

## SPANISH

**SPAN 101, 102 - First Year Spanish I and II .....4, 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 201, 202 - Second Year Spanish I and II .....4, 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. Pre-requisite: SPAN 102 - First Year Spanish II or equivalent. Fall, Spring.

**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. Pre-requisite: SPAN 202 - Second Year Spanish II or equivalent. 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. Pre-requisite: SPAN 321 – Advanced Spanish or equivalent. Spring.

**SPAN 425 - Hispanic Literature .....3**  
Students read representative Hispanic literature dealing with universal themes. Includes authors such as Garcia Marquez, Carlos Fuentes, Mario Vargas Llosa, and Jorge Luis Borges. Taught in Spanish. Pre-requisite: SPAN 321 – Advanced Spanish or equivalent. 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. Pre-requisite: SPAN 321 – Advanced Spanish or equivalent. Every third semester.

**SPAN 291, 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 writing intensive and capstone course.

**SPAN 292, 492 - Experimental Course..... 1-4**  
A unique course, designated by an 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, 493 - Peer Tutoring ..... 1-6**  
Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**SPAN 294, 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 295, 495 - Service Learning..... 1-6**  
Credits 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.

**SPAN 296, 496 - Study Tours ..... 1-6**  
Provides students the opportunity to make a 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, 497 - Spanish 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.

**SPAN 299, 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. SPAN will be offered every third semester.

## **THEATRE ARTS**

**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 .....2**

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 six 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 States 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. Pre-requisite: THEA 161 - Acting I. 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. Spring.

**THEA 300 - Production Workshop .....1**

Practicum in which students learn theatre through production experience. Must be cast or crew in a major university production. May be repeated for a total of six credits. Fall, Spring.

**THEA 301 - 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 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. Pre-requisite: THEA 261 - Acting II. 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. Fall, alternate years.

**THEA 340 - Creative Dramatics.....2**

Explores the use of drama as a tool for teaching across the elementary school curriculum. This practicum course offers teachers the opportunity to create dynamic lessons which foster creativity and imagination in students of all grade levels. Pre-requisite: Admission to Teacher Education. Fall.

**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.

**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. Pre-requisite: THEA 261 – Acting II. Spring.

**THEA 450 - Senior Project.....2-4**  
Special project of research or production in theatre arts, designed, and executed in consultation with a faculty advisor. Pre-requisite: Consent of instructor. Offered on demand.

**THEA 291, 491 - Theatre Seminar .....1-6**  
This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. THEA 491 is a writing intensive and capstone course. Offered on demand.

**THEA 292, 492 - Experimental Course.....1-4**  
A unique course, designated by an 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, 493 - Peer Tutoring .....1-6**  
Students may earn credits by offering their services to other students by assisting them with their studies as an academic tutor. Tutors are needed every semester in almost all academic areas. Interested students should contact Academic Success Center for specific information. (Maximum eight credits may be applied to graduation.)

**THEA 294, 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. Offered on demand  
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. Offered on demand.

**THEA 295, 495 - Service Learning.....1-6**  
Credits 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. Offered on demand.

**THEA 296, 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 297, 497 - Theatre 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. Offered on demand.

**THEA 299, 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. Offered on demand.  
READINGS: Readings in educational and various specific professional publications and journals related to a specific academic discipline. Offered on demand.

## UNIVERSITY STUDIES

**ASC 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.

**ASC 104 - Freshman Seminar (SSS Students Only).....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.

**ASC 109 - Orientation for International Students..... 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.

**ASC 291, 491 - Seminar.....1-6**  
This course is designed for the exploration of specific topics which are not covered in regularly scheduled coursework. Offered on demand.

**ASC 292, 492 - Experimental Course.....1-4**  
A unique course, designated by an 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.

**ASC 293, 493 - Peer Tutoring.....1-6**  
Students in this course will survey theoretical foundations and practical application of learning styles, peer facilitation, mentoring, tutoring & instruction. EES participants will also earn credit as an academic tutor for Educational Enhancement Services. Tutors must be EES participants and are needed in a variety of academic areas (Maximum of eight credits may be applied to graduation). S/U. Fall, Spring. Enrollment is limited to Educational Enhancement Services participants.

**ASC 294, 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. Offered on demand.

**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. Offered on demand.

**ASC 295, 495 - Service Learning .....1-6**

Credits 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. Offered on demand.

**ASC 296, 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.

**ASC 297, 497 - Cooperative Education I & II.....1-6**

The course provides students with the opportunity to experience the world of work, learn workforce expectations, and explore career options within local businesses and industries. Work experience must relate directly to course of study. Repeatable for four semesters. Credit cannot be used to meet major requirements. Elective Credit Only. S/U grading.

**ASC 299, 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. Offered on demand.

**READINGS:** Readings in educational and various specific professional publications and journals related to a specific academic discipline. Offered on demand.

**ASC 300 - Completion Degree Seminar: Strategies for Success.....1**

A one-hour introduction for transfer students. The course is designed for students returning to college to complete their degree. The course will cover those areas needed to build in success as they return to college. Juggling college, family and work, stress management, time management, use of college resources, study skills revisited, building networks of support, learning styles and reentry to academia.

**ASC 400 - 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 alternative credit requests. Different style of preparation will be covered as well as expectations for completed portfolios. Final product will be a completed portfolio.

**ESL 101 - High Basic English as a Second Language.....1-4**

This course is an integrated approach to learning and acquiring English 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. Required of all students whose COMPASS ESL Placement Test scores fall within the following ranges:

Listening 42-79; Reading 38-69; Grammar/Usage 42-69. Fall, Spring.

**ESL 102 - Low Intermediate English as a Second Language .....1-4**

This course is an integrated approach to learning and acquiring language 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.

Required of all students whose COMPASS ESL Placement Test scores fall within the following ranges: Listening 80-86; Reading 70-86; Grammar/Usage 70-86. Fall, Spring.

**ESL 103 - High Intermediate English as a Second Language .....1-4**

This course is an integrated approach to learning and acquiring language and is intended for international students. The course will focus on acquiring High Intermediate academic listening, reading, speaking and writing English language skills.

Required of all students whose COMPASS ESL Placement Test scores fall within the following ranges: Listening 87-94; Reading 87-94; Grammar/Usage 87-94. Fall, Spring..

**ESL 104 - Low Advanced English as a Second Language .....1-4**

This course is an integrated approach to learning and acquiring language and is intended for international students. The course will focus on acquiring Low Advanced academic listening, reading, speaking and writing English language skills.

Required of all students whose COMPASS ESL Placement Test scores fall within the following ranges: Listening 95-; Reading 95-; Grammar/Usage 95- Fall, Spring.

# **ACADEMIC ADMINISTRATORS WITHIN COLLEGES AND DEPARTMENTS**

**PRESIDENT** ..... Richard J. McCallum, Ph.D.

**INTERIM VICE PRESIDENT FOR ACADEMIC AFFAIRS**..... Jon L. Brudvig, Ph.D.

## **COLLEGE OF ARTS AND SCIENCES**

Interim Dean ..... Jon L. Brudvig, Ph.D.  
Department of Fine and Performing Arts Chair ..... Kenneth Haught, Ph.D.  
Department of Language and Literature Chair ..... Alan Church, Ph.D.  
Department of Mathematics and Computer Science Chair.....Paul Johanson, Ph.D.  
Department of Music Chair ..... Timothy Justus, D.M.A  
Department of Natural Sciences Chair ..... Michael Hastings, Ph.D.  
Department of Social Sciences Chair ..... David Meier, Ph.D.

## **COLLEGE OF EDUCATION, BUSINESS, AND APPLIED SCIENCES**

Dean ..... Douglas A. LaPlante, Ph.D.  
Department of Agriculture and Technical Studies Chair ..... Woodrow “Chip” Poland, Ph.D.  
Department of Business and Management Chair ..... Roger Kilwein, M.S.  
Department of Health and Physical Education Chair ..... Arlan Hofland, M.Ed.  
Department of Nursing Chair..... Mary Anne Marsh, Ph.D.  
Department of Teacher Education Chair ..... Daniel Conner, Ph.D.  
Coordinator of Elementary and Secondary Education  
Program in Bismarck.....Louella Aronson, Ph.D.

# **ADMINISTRATIVE AND PROFESSIONAL STAFF WITHIN DIVISIONS AND OFFICES**

## **OFFICE OF THE PRESIDENT**

President ..... Richard J. McCallum, Ph.D.  
Director of Special Projects and  
Reports ..... Richard D. Brauhn, D.A.  
Director of Enrollment Services..... Norman Coley, M.S.  
Enrollment Counselor.....Jay Danbom, B.U.S.  
Enrollment Counselor.....Alicia Erickson, B.S.  
Enrollment Counselor.....Silvia Vigier, B.S.  
Director of the Strom Center for Entrepreneurship  
and Innovation..... Steve Glasser, B.S.  
Business Challenge Coordinator .....Sheri Monroe, B.U.S.  
Community Development Project  
Coordinator ..... Amanda Moser, B.S.  
Regional Director of the Small Business  
Development Center..... RayAnn Kilen, B.S.  
Marketing Specialist..... Clay Kraby, B.S.  
Web and Social Media Manager.....Kim Goldsmith, B.S.  
Associate Director of Technology ..... Susan Miller, B.S.  
Primary Consultant for the Theodore  
Roosevelt Center .....Clay Jenkinson, M.A.  
Project Manager of the Theodore Roosevelt  
Center ..... Sharon Kilzer, M.A.  
Theodore Roosevelt Research  
Historian.....Joseph Jones, Ph.D.  
Digital Library Assistant..... Grant Carlson, M.I.L.S.  
Digital Library Coordinator,  
Archivist..... Crystal Thomas, M.S.  
Grant Writer..... Karen A. Nelson, M.A.  
Badlands Activities Center  
Coordinator ..... Aaron Johansen, B.S.

## **DIVISION OF ACADEMIC AFFAIRS**

Interim Vice President for Academic  
Affairs ..... Jon L. Brudvig, Ph.D.  
Interim Dean of the College of Arts and  
Sciences..... Jon L. Brudvig, Ph.D.  
Dean of the College of Education, Business,  
and Applied Sciences ..... Douglas A. LaPlante, Ph.D.  
Director of Academic Records; Affirmative  
Action Officer..... Marshall Melbye, B.S.  
Coordinator of Institutional  
Research ..... Scott Staudinger, M.S.  
Director of Extended Learning & West River  
Teacher Center ..... pending  
Distance Video Coordinator ..... Kathleen Obritsch, B.S.  
Bismarck Program Site  
Coordinator ..... Chris Heringer, M.M.A.  
Instructional Technology/Online  
Coordinator ..... Anthony Willer, B.S.  
Online Student Services Specialist.....Yvonne Roth, B.S.  
Student Support Specialist..... Stacy Wilkinson, B.S.  
Instructional Technology Design  
Specialist ..... Krissy Sparks, B.S.

Conference Coordinator ..... Elena Stickel, B.S.  
Energy Symposium Project  
Coordinator ..... Joanne Beckman, B.S.  
Director of Library Services ..... Rita Ennen, M.L.S.  
Assistant Director/Head of Public  
Services ..... Eileen Kopren, M.L.S.  
Head of Technical Services ..... Faith Wanner, M.L.S.

## **DIVISION OF BUSINESS AFFAIRS**

Vice President for Business  
Affairs ..... Alvin Binstock, B.S.  
Controller ..... Mark Lowe, M.B.A., P.A.  
Student Finance Coordinator .....Janet Reisenauer, B.S.  
Coordinator of Personnel Services ..... Gail Ebeltoft, B.S.  
Coordinator of Special Events  
and Scheduling..... Dustin Heick, B.S.  
Director of Computer Services ..... Todd Hauf, B.S.  
Manager, Network and Database ..... Sagar Kondru, M.S.  
Technical Support Technician ..... Kim Thiel, B.S.  
Computer and Network Maintenance  
Technician ..... Brian Kopp, B.S.  
Director of Food Services (Sodexo, Inc. &  
Affiliates employee) ..... Jason Degele  
University Store Manager ..... Loretta Heidt, M.B.A., M.M.

## **DIVISION OF STUDENT DEVELOPMENT**

Vice President for Student Development..Hal Haynes, M.B.A.  
Director of Career Services..... Bonnie Bohlman, B.S.  
Director of the Center for Multicultural  
Affairs ..... Ronnie Walker, M.S.  
Native American/Multicultural Support  
Specialist..... Holly Forsness, B.A.  
Director of Academic Success Center....Stacie Varnson, Ph.D.  
Disability Services Assistant..... Anne Robbins, A.A.S.  
ESL Specialist..... Phillip Stephens, Ph.D.  
Writing Center & Supplemental Instruction  
Coordinator .....Michelle Stevier, M.A.  
Educational Enhancement Services  
Coordinator ..... Roberta Kudrna, B.S.  
Student Support Specialist ..... Lauren Payne, B.A.  
Student Support Specialist ..... Joshua Nichols, B.S.  
Director of Financial Aid ..... Sandy Klein, B.S.  
Financial Aid Technical Coordinator ..... Chris Meek, B.S.  
Housing Coordinator..... Lydia Dworshak, B.S.  
Resident Director .....Denita Kelly, B.A.  
Resident Director ..... Charles Howell, B.S.  
Resident Director ..... Jennifer Withers, M.S.  
Student Health Nurse ..... Carrie Knudson, B.S.N.  
Nurse Practitioner ..... Judy Bock, MSN, NP  
Director of Wellness Program..... Pattie Carr, M.S., R.D.  
Student Activities Assistant..... Jamie Jung, B.S.



## **ADMINISTRATIVE AND PROFESSIONAL STAFF WITHIN DIVISIONS AND OFFICES**

### **OFFICE OF ALUMNI & FOUNDATION**

Executive Director of Alumni Association  
and Foundation ..... Kevin Thompson, B.S.  
Assistant Director of Alumni and Annual  
Giving ..... Mark Versen, B.S.  
Coordinator of Communications, Marketing,  
and Events..... Kevin Holten, B.A.  
Foundation Financial Manager ..... Lindsey Kubal, B.S.

### **OFFICE OF INTERCOLLEGIATE ATHLETICS**

Interim Director ..... Tim Daniel, M.,S.  
Assistant Athletic Director ..... Kristen Fleury, B.U.S.  
Athletic Trainer ..... Timothy Kreidt, M.S.  
Baseball Coach..... Duane Monlux, M.S.  
Men's Basketball Coach ..... Ty Orton, M.S.  
Assistant Men's Basketball Coach..... Tim Daniel, M.S.  
Women's Basketball Coach ..... Andre Goldberg, B.S.  
Blue Hawk Booster Membership Coordinator... Ty Orton, M.S.  
Cross Country Coach ..... Thadd O'Donnell, M.A.  
Director of the Ben C. Frank Human  
Performance Center ..... Peter Leno, M.S.

Golf Coach ..... Tim Daniel, M.S.  
Football Coach ..... Henry Biesiot, M.S.  
Assistant Football Coach ..... Arlan Hofland, M.Ed.  
Assistant Football Coach ..... Pete Leno, M.S.  
Assistant Football Coach ..... Duane Monlux, M.S.  
Assistant Football Coach ..... John (Pete) Stanton, M.Ed.  
Rodeo Coach..... Eudell Larsen  
Assistant Rodeo Coach ..... Jennifer Obrugewitch, M.S.  
Softball Coach..... Kristen Fleury, B.U.S.  
Sports Information Director..... Daniel Chelstrom, B.A.  
Track and Field Coach ..... John (Pete) Stanton, M.Ed.  
Assistant Track and Field Coach..... Daniel Chelstrom, B.A.  
Volleyball Coach ..... Ryan Platt, B.S.  
Wrestling Coach ..... Thadd O'Donnell, M.A.

### **OFFICE OF UNIVERSITY RELATIONS**

Director of University Relations ..... Constance Walter, M.S.  
Graphic Designer and Publications  
Coordinator ..... Melissa Splichal, A.A.S.  
Public Relations Coordinator ..... pending  
Webmaster..... Robert Morgan, B.S.

## **DICKINSON STATE UNIVERSITY FACULTY**

Initial year of employment indicated in parentheses

- McCallum, Richard J.;** President (2008)  
Wayne State College, B.A.E.; University of Nebraska-Lincoln, M.A., Ph.D.
- Alonso, Nicomedes;** Assistant Professor of Mathematics (2009)  
California Institute of Technology, B.S.; Montana State University, M.S., Ph.D.
- Aronson, Louella M.;** Assistant Professor of Education (2005)  
University of North Dakota, B.S., M.Ed.; North Dakota State University, Ph.D.
- Bachamp, Marlyis;** Assistant Professor of of Nursing (2008)  
Dickinson State University, B.S.N.; University of Phoenix, M.S.N.
- Barnes, Beverly J.;** Assistant Professor of Accounting (2009)  
Middle Tennessee State University, B.B.A.; Western Governors University, M.B.A.
- Barnhart, Margaret M.;** Lecturer of English (1992)  
Dickinson State University, B.S.
- Berg, Myron J.;** Assistant Professor of Mathematics and Computer Science (1995)  
Mayville State University, B.S.; Bemidji State University, M.S.
- Biesiot, Henry;** Associate Professor of Physical Education (1972)  
Mayville State University, B.S.; University of North Dakota, M.S.
- Brauhn, Richard D.;** Director of Special Projects and Reports, Professor of History (1991)  
University of Northern Iowa, B.A., M.A.; University of North Dakota, D.A.
- Brevik, Corinne E.;** Assistant Professor of Physics (2004)  
Montana State University, B.S.; University of Colorado, M.S., Ph.D.
- Brevik, Eric C.;** Associate Professor of Geology and Soils (2007)  
University of North Dakota, B.S., M.A.; Iowa State University, Ph.D.
- Brudvig, Jon L.;** Director of Theodore Roosevelt Honors Leadership Program, Interim Vice President of Academic Affairs, Interim Dean of the College of Arts & Science, Professor of History (2007)  
Marquette University, B.A., M.A.; College of William and Mary, Ph.D.
- Burgess, Lynn C.;** Associate Professor of Biology (1999)  
Utah State University, B.S.; Eastern Washington University, M.S.; Utah State University, Ph.D.
- Burns, Carolyn D.;** Assistant Professor of Music Education (2008)  
Rocky Mountain College, B.A.; University of Montana, M.M.E.; Montana State University-Bozeman, Ed.D.
- Butz, Rolf;** Assistant Professor of Business (1997)  
University of North Dakota, M.B.A
- Carr, Pattie L.;** Instructor of Fine and Performing Arts, Instructor of Health and Physical Education, Director of Wellness Program (2001)  
Montana State University, B.S.; Ball State University, M.A.
- Cartmill, Michael;** Assistant Professor of Spanish (2009)  
Brigham Young University, B.A; Arizona State University, M.A.; University of Utah, Ph.D.
- Charchenko, Audrey A.;** Assistant Professor of Nursing (2006)  
Dickinson State University, B.S.N.; University of Mary, M.S.N., M.B.A.
- Church, Alan;** Chair of the Department of Language and Literature, Associate Professor of English (2007)  
Arizona State University, B.A., M.A.; University of Washington, Ph.D.
- Compton, Michael;** Director of Bands, Assistant Professor of Music (2009)  
California State University Sacramento, B.M., M.A.
- Conner, Daniel A.;** Chair of the Department of Teacher Education, Associate Professor of Education and Psychology (1998)  
Oregon State University, B.S., Ed.M., Ph.D.
- Conrick, Charles IV;** Associate Professor of Business and Finance (2005)  
University of South Florida; B.S.; Nova Southeastern University; M.B.A.; Argosy University; D.B.A.
- Coyle, Anne Marguerite;** Assistant Professor of Biology, Herbarium Curator, Greenhouse Coordinator (2008)  
Wittenberg University, B.A.; University of North Dakota, M.S.; University of North Dakota, Ph.D.
- Cummisk, Gary;** Assistant Professor of Geography (2003)  
Virginia Wesleyan College, B.A.; Central Washington University, M.S.; Cornell University, M.F.A.; University of Oregon, Ph.D.

## DICKINSON STATE UNIVERSITY FACULTY

Initial year of employment indicated in parentheses

- Daniel, Tim J.;** Assistant Professor of Health and Physical Education (1989)  
Northwest College, A.S.; Dickinson State University, B.S.; Central Oklahoma University, M.S.
- Derk, Molisa D.;** Associate Professor of Computer Science (2008)  
Oklahoma Baptist University, B.S.; University of Oklahoma, M.L.S.; Oklahoma City University, M.S.; University of Oklahoma, Ph.D.
- Doherty, Steven J.;** Associate Professor of Political Science (2004)  
University of Wisconsin-Superior, B.S.; Iowa State University, M.A.; Loyola University Chicago, Ph.D.
- Dragseth, Debora M.;** Associate Professor of Business (1989)  
Dakota State University, B.S.; University of South Dakota, M.B.A.; University of Nebraska, Ph.D.
- Eacret-Simmons, Carol K.;** Associate Professor of Art (2003)  
Heartland Community College, A.A.; Illinois State University, B.F.A.; Kansas State University, M.F.A.
- Ericksen, Charles G.;** Professor of Accounting (2007)  
Colorado State University, B.S.; Western State College of Colorado, M.A.; Montana State University, Ed. D.
- Ford, Deborah;** Associate Professor of English (2000)  
Brooklyn College, B.A., M.A.; St. John's College, M.A.; University of Southern Mississippi, Ph.D.
- Foster, Karen K.;** Assistant Professor of English (2005)  
Augustana Lutheran College, B.A.; University of South Dakota, M.A.; University of Nebraska-Lincoln, Ph.D.
- Gibson, Lori L.;** Instructor of Education (2007)  
Dickinson State University, B.S.; Northern Arizona University, M.A.
- Gingerich, Ronald;** Associate Professor of Theatre (1998)  
California State University Long Beach, B.A.; The University of Alabama, M.F.A.
- 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;** Assistant Professor of Computer Science (2009)  
University of Texas, B.S.E.E.; University of Texas at Arlington, M.S.; University of Texas at Arlington, Ph.D.
- Hastings, Michael;** Chair of the Department of Natural Sciences, Professor of Biology (1984)  
College of the Ozarks, B.S.; Missouri State University, M.A.; University of Arkansas, Ph.D.
- Hauf, Lori K.;** Instructor of Business, Instructor of Computer Science (2003)  
Dickinson State University, B.S.; Minot State University, M.Ed.
- Haught, Kenneth W.;** Chair of the 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.
- Heth, Karen A.;** Assistant Professor of Business Education (1975)  
Dickinson State University, B.S.; University of North Dakota, M.S.
- Hofland, Arlan L.;** Chair of the Health and Physical Education Department, Assistant Professor of Health and Physical Education, Defensive Coordinator (1987)  
Dickinson State University, B.S.; University of North Dakota, M.Ed.
- Hofland, Gayle C.;** Assistant Professor of Nursing (1989)  
North Dakota State School of Science, A.S.; Minot State University, B.S.N.; University of Mary, M.S.N.
- Ibriq, Jamil H.;** Assistant Professor of Computer Science (2008)  
University of Texas at Austin, B.A.; Florida Atlantic University, M.S.; Florida Atlantic University, Ph.D.
- Johanson, Paul J.;** Associate Professor of Mathematics, Chair of the Department of Mathematics and Computer Science (1999)  
Moorhead State University, B.A.; Montana State University, M.S., Ph.D.
- Justus, Timothy W.;** Chair of the Department of Music, Associate Professor of Music (2007)  
Northeast Louisiana University, B.M.; Louisiana State University, M.M.; Louisiana State University, D.M.A.
- Karie, Laurie A.;** Instructor of Social Work (2005)  
Mid-America Nazarene University, B.S.; The University of Kansas, M.S.W.
- Keogh, Priscilla A.;** Lecturer of Music (2000)  
University of North Dakota, B.S.

## DICKINSON STATE UNIVERSITY FACULTY

Initial year of employment indicated in parentheses

- Kilwein, Roger;** Chair of the Department of Business and Management, Associate Professor of Business Education (1969)  
University of North Dakota, B.S.
- King, Doug W.;** Associate Professor of Agriculture (1997)  
University of Saskatchewan, B.S.; New Mexico State University, M.S.; New Mexico State University, Ph.D.
- Klusmann, Terry S.;** Assistant Professor of Nursing (1975)  
Bismarck Hospital School of Nursing, R.N.; University of Mary, B.S.N.; University of Portland, M.S.N.
- Lantz, Cheryl M.;** Assistant Professor of Nursing (1999)  
MedCenter One School of Nursing, R.N.; University of Utah, B.S.N.; University of North Dakota, M.S.; University of North Dakota, Ph.D.
- LaPlante, Doug;** Dean of the College of Business, Education and Applied Sciences, Professor of Education (1991)  
University of Northern Iowa, B.A., M.A.; Iowa State University, Ph.D.
- Lee, Marilyn E.;** Associate Professor of Art (2002)  
Valdosta State University, B.A.; University of Memphis, M.F.A.
- Leno, Pete;** Assistant Professor of Health and Physical Education, Program Coordinator of Ben C. Frank Human Performance Center (1991)  
North Dakota State University, M.S.; Valley City State University, B.S.; Valley City State University, B.A.
- Livingston, Kerry L.;** Assistant Professor of Sociology (2009)  
Northern State University, B.S.; University of South Dakota, M.S.; South Dakota State University, Ph.D.
- Marcusen, Margaret F.;** Lecturer of Communications (1998)  
Dickinson State University, B.S.; Dickinson State University, B.A.; North Dakota State University, M.A.
- Marsh, Mary Anne;** Chair of the Department of Nursing, Associate Professor of Nursing (1988)  
Mary College, B.S.N.; University of Mary, M.S.N.; University of North Dakota, Ph.D.
- Martin, Paula J.;** Professor of Chemistry (1986)  
University of Montana, B.A.; University of Kansas, Ph.D.
- McBee, Holly J.;** Assistant Professor of English (2008)  
University of Iowa, B.A.; New Mexico State University, M.A.; Purdue University, Ph.D.
- McCoy, Christine A.;** Assistant Professor of Teacher Education (2007)  
Southwest State University, B.A.; University of South Dakota, M.A., Ed.D.
- McGarva, Andrew R.;** Professor of Psychology (1997)  
Plattsburgh State University, B.A.; University of New Hampshire, M.A., Ph.D.
- McWilliams, Jim;** Associate Professor of English (2001)  
Missouri State University, B.A., M.A.; Southern Illinois University, Ph.D.
- Meier, David A.;** Chair of the Department of Social Sciences, 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.
- Misek, Kristi K.;** Assistant Professor of Accounting (2009)  
Jamestown College, B.A.; Stevenson University, M.F.S.
- Moberg, Kevin A.;** Assistant Professor of Education (2008)  
University of North Dakota, B.A.; University of North Dakota, M.A.
- Monlux, Duane D.;** Instructor of Physical Education, Coach (2001)  
Dickinson State University, B.S.; Chadron State College, M.S.
- Moody, David W.;** Assistant Professor of Physical Education, Assistant Professor of Education (1990)  
University of Wisconsin-LaCrosse, B.S.; Eastern Kentucky University, M.S.
- Neumann, Janis A.;** Assistant Professor of Nursing (2007)  
Minot State University, B.S.N.; University of North Dakota, M.S.
- Nozny, Brian T.;** Assistant Professor of Music, Assistant Director of Bands (2009)  
Virginia Polytechnic Institute and State University, B.A.; University of Miami (FL), M.M.; University of North Texas, M.M.
- Obrigewitch, Jennifer J.;** Lecturer of Agriculture (2005)  
Dickinson State University, B.S.; North Dakota State University, M.S.
- O'Donnell, Thadd M.;** Assistant Professor of Health and Physical Education, Coach (1995)  
Dickinson State University, B.S.; Northern State University, M.A.

## DICKINSON STATE UNIVERSITY FACULTY

Initial year of employment indicated in parentheses

- Olsen, Reba;** Assistant Professor of Mathematics (2007)  
University of Minnesota-Morris, B.A.; University of Wyoming, M.S.
- Olson, Dawn M.;** Assistant Professor of Education (2009)  
Minot State University, B.S., M.S.; University of North Dakota, Ph.D.
- Pierce, Ken S.;** Professor of Chemistry (1995)  
University of Wisconsin-River Falls, B.S.; University of North Dakota, M.S., Ph.D.
- Pitkin, Rebecca S.;** Assistant Professor of Education (2006)  
Gordon College, B.S.; University of Nevada, Las Vegas, M.Ed.; Iowa State University, Ph.D.
- Poland, Woodrow (Chip);** Chair of the Department of Agriculture and Technical Studies, Associate Professor of Agriculture (2006)  
West Virginia University, B.S.; South Dakota State University, Ph.D.
- Quijano, Fernando;** Assistant Professor of Economics (1992)  
University of Alaska, Fairbanks, B.A.; University of North Dakota, M.A.
- Quijano, Yvonn J.;** Lecturer of Art (1999)  
Dickinson State University, B.A., B.S.; University of North Dakota, M.S.
- Renner, Dorothy L.;** Lecturer of Psychology, Lecturer of German (1998)  
University of Maryland, B.S.; Dickinson State University, B.A., B.S.
- Roshau, Glen R.;** Instructor of Mathematics, Instructor of Economics, Instructor of Business (1998)  
Dickinson State University, B.S.; University of North Dakota, M.B.A.
- Russ, Suzanne L.;** Assistant Professor of Psychology and Education (2008)  
University of Wisconsin, M.S.; University of Minnesota, Ph.D.
- Schreindl, David;** Instructor of Journalism and Communications (2009)  
Brigham Young University, B.A.; Brigham Young University, M.A.;
- Shaughnessy, Michael J.;** Assistant Professor of Biology (2007)  
Colby College, B.A.; Shippensburg University, M.S.; University of Oklahoma, Ph.D.
- Snavelly, Marie S.;** Instructor of Art (2001)  
Dickinson State University, B.S., B.A.; Northern State University, M.A.
- Solheim, David R.;** Professor of English (1983)  
Gustavus Adolphus College, B. A.; Stanford University, M.A.; University of Denver, Ph. D.
- Soman, Seth;** Assistant Professor of Agriculture (2008)  
Kerala Agriculture University, India, B.S.; S. Illinois University, M.S.; S. Illinois University, Ph.D.
- Southard, Bruce E.;** Assistant Professor of Music Education (2008)  
University of the Pacific, B.M.; Western Kentucky University, M.M.; North Dakota State University, D.M.A.
- Stankard, William Jr.,** Associate Professor of Psychology (2003)  
University of Connecticut, B.A., Ph.D.
- Stanton, John (Pete);** Instructor of Physical Education , Coach (2000)  
Dickinson State University, B.S.; Montana State University, M.S.
- Stark, Ashley B.;** Assistant Professor of Accounting (2009)  
Carroll College, B.A.; Boston University, M.S.P.M
- Sticha, Selma A.;** Assistant Professor of Nursing (2004)  
University of North Dakota, B.S.N.; University of Mary, M.S.N.
- Stroh, Toby L.;** Assistant Professor of Agriculture (1990)  
North Dakota State University, B.S.; University of Texas, El Paso, M.S.
- Swensen, G. Knude;** Associate Professor of Business Management (1996)  
Brigham Young University, B.S.; University of Illinois at Champaign-Urbana, Ph.D.
- Varney, Frank P.;** Assistant Professor of History (2008)  
William Paterson University, B.A.; Cornell University, M.A.; Cornell University, Ph.D
- Voutsas, Kostas;** Assistant Professor of Business (2003)  
Eastern Michigan University, B.S., M.S., M.B.A.
- Wax, Valeria Noel;** Assistant Professor of Education (2004)  
Minot State University, B.S.; Minot State University, M.S.; University of North Dakota, Ph.D.
- Yourk, Laurie;** Lecurer of Mathmatics (2006)  
Dickinson State University, B.S., Minot State University, M.A.T.

## **PROFESSIONAL STAFF**

Initial year of employment at Dickinson State University indicated in parentheses.

- McCallum, Richard J.;** President (2008)  
Wayne State College, B.A.; University of Nebraska-Lincoln, M.A., Ph.D.
- Beckman, Joanne;** Energy Symposia Coordinator, Office of Extended Learning (2009)  
Dickinson State University, B.S.
- Binstock, Alvin G.;** Vice President for Business Affairs (1974)  
Dickinson State University, B.S.
- Bohlman, Bonnie;** Director of Career Services (1998)  
Dickinson State University, B.S.
- Brauhn, Richard D.;** Director of Special Projects and Reports; Professor of History (1991)  
University of Northern Iowa, B.A., M.A.; University of North Dakota, D.A.
- Brudvig, Jon;** Interim Vice President of Academic Affairs; Interim Dean of the College of Arts and Science; Director, Theodore Roosevelt Honors Leadership Program; Professor of History (2007)  
Marquette University, Honors B.A., M.A.; College of William and Mary, Ph.D.
- Carlson, Grant;** Digital Library Assistant (2009)  
Simpson College, B.A.; Kent State University, M.I.L.S.
- Chelstrom, Daniel;** Sports Information Director; Assistant Track and Field Coach (2010)  
Bethel University, B.A.
- Coley, Norman;** Director of Enrollment Services (2009)  
Huron University, B.S., M.B.A
- Danbom, Jay;** Enrollment Counselor (2005)  
Dickinson State University, B.U.S.
- Ebeltoft, Gail;** Coordinator of Personnel Services (1997)  
University of North Dakota, B.S.
- Ennen, Rita;** Director of Library Services (2001)  
Bob Jones University, B.S.; University of North Texas, M.L.I.S.
- Erickson, Alicia;** Enrollment Counselor (2005)  
Dickinson State University, B.S.
- Fleury, Kristen;** Head Softball Coach; Assistant Athletic Director (2010)  
Dickinson State University, B.U.S.
- Glasser, Steven;** Executive Director, Strom Center for Entrepreneurship and Innovation (2006)  
Dickinson State University, B.S.
- Goldberg, Andre;** Head Women's Basketball Coach (2010)  
Black Hills State University, B.S.
- Hauf, Todd;** Director of Computer Services (1995)  
North Dakota State University, B.S.
- Haynes, Hal;** Vice President for Student Development (1992)  
Berea College, B.A.; University of Mary, M.M.
- Heick, Dustin;** Coordinator of Special Events and Scheduling (2003)  
Dickinson State University, B.S.
- Heidt, Loretta;** University Store Manager (1998)  
Dickinson State University, B.S.; University of Mary, M.B.A., M.M.
- Heringer, Christina;** Bismarck Site Coordinator (2007)  
Stephens College, B.A.; University of Mary, M.M.A.
- Holten, Kevin;** Coordinator of Communications, Marketing, and Events (2008)  
University of North Dakota, B.A.
- Jenkinson, Clay;** Primary Consultant for the Theodore Roosevelt Center (2005)  
University of Minnesota, B.A., Oxford University, B.A., M.A.
- Johansen, Aaron;** Badlands Activity Center Events and Conference Coordinator (2007)  
Dickinson State University, B.S.
- Jones, Joseph;** Theodore Roosevelt Research Historian (2009)  
Marquette University, B.A.; St. Louis University, M.A.; Michigan State University, Ph.D.
- Kraby, Clayton;** Marketing Specialist (2010)  
University of North Dakota, B.S.
- Kilzer, Sharon;** Project Manager, Theodore Roosevelt Center (2005)  
Dickinson State University, B.A., B.S.; Franciscan University of Steubenville, M.A.
- Klein, Sandy;** Director of Financial Aid (1980)  
Dickinson State University, B.S.
- Kondru, Sagar;** Manager, Network and Database (2004)  
Osmania University, B.S.; Southern Illinois University, M.S.
- Kopren, Eileen D.;** Assistant Director/Head of Public Services (1975)  
Dickinson State University, B.S.; George Peabody College of Vanderbilt University, M.L.S.

## **PROFESSIONAL STAFF**

Initial year of employment at Dickinson State University indicated in parentheses.

**Kreidt, Timothy;** Head Athletic Trainer; Adjunct Instructor of Physical Education (2000)  
University of North Dakota, B.S.; St. Cloud State University, M.S.

**Kudrna, Roberta;** Educational Enhancement Services Coordinator (2001)  
Dickinson State University, B.S.

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## **DICKINSON STATE UNIVERSITY PRESIDENTS**

1918 - 1929	Samuel T. May	University of Iowa, Ph.D. University of Illinois College, L.L.B.
1929 - 1936	Conrad J. Kjerstad	University of South Dakota, B.A. University of Chicago, M.A., 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.
1959 - 1969	Oscar A. DeLong	Dakota Wesleyan University, B.A. University of Iowa, M.A. Colorado State College of Education, Greeley, Ed.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.
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