



**Be seen. Be heard.**

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
  
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

## Undergraduate Catalog

### Introduction to Minot State University

#### History

Minot State University is a comprehensive public university whose purpose is to foster the intellectual, personal, and social development of its students, and to promote the public good through excellence in teaching, research, scholarly activity, and public service. Minot State is an integral part of the state and region it serves, and its mission and purposes are linked inextricably to the needs, aspirations, and commonwealth of the people of North Dakota.

Since its founding in 1913, Minot State University has evolved steadily in fulfilling its commitment to serving North Dakota and creating opportunities for its citizens. Today the University offers a wide array of undergraduate programs in the liberal arts and the professions, and graduate education in eight masters programs and one specialist program.

Originally established as a two-year normal school devoted to preparing teachers for service in the prairie schools of northwestern North Dakota, the institution soon expanded its offerings in response to the needs of the region, a pattern that has been repeated many times in Minot State's subsequent history. Those who governed the institution recognized the need to add teacher preparation programs in the fine arts, liberal arts and sciences, and professional fields.

In 1924 the institution was given authority to offer the baccalaureate degree, and programs in the liberal arts began at Minot State. Programs in the sciences, humanities, fine arts, and social sciences were developed. Later, programs in special education, speech pathology, business, and nursing were added. In 1964 the school's name was changed to Minot State College, and its mission expanded to include graduate education at the masters level. In 1987 the institution's name was changed to Minot State University, and today the University offers masters degrees in communication disorders, criminal justice, education, management, mathematics, music, science, and special education. The University offers one specialist degree in school psychology.

#### Mission

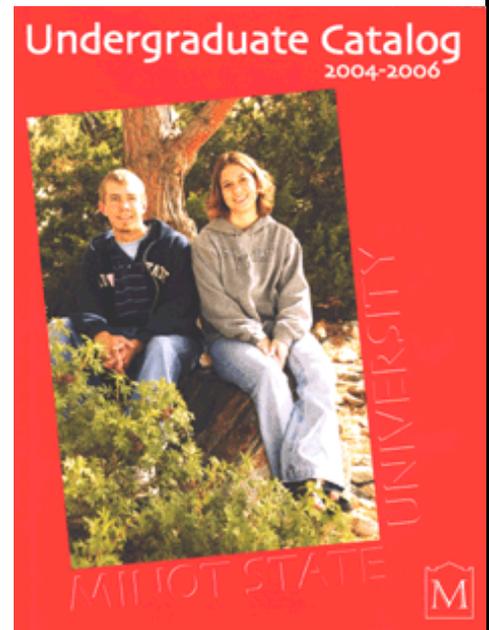
The mission of Minot State University is to advance knowledge, critical and creative thinking, and the vitality of community and cultures.

#### Beliefs

Minot State University uses the following beliefs to guide day-to-day decision-making.

#### About Learning, we believe that

- Learning is life-long.



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- Responsibility for learning is shared (100%/100%) by teachers and students.
- Learners produce their own learning.
- Authentic learning integrates knowledge with one's own life.
- Learning occurs in a variety of "spaces"; the whole world is a classroom.
- Learners have distinct and various learning styles.

#### **About Teaching, we believe that**

- Teachers model intellectual curiosity.
- Teachers facilitate learning for all students.
- Teaching requires passion and compassion.
- Teaching is reflective, responsive, and purposeful.

#### **About Campus Life, we believe that a dynamic university community**

- Celebrates its diversity in students, staff, faculty, administrators, alumni, and community members.
- Fosters a positive atmosphere for shared ownership and teamwork.
- Provides for social, cultural, and intellectual growth and development.
- Creates lifelong connectivity.
- Contributes to the recruitment and retention of students.

#### **About Research, we believe that**

- Faculty research that advances knowledge is vital to maintaining the university as a learning community.
- Faculty and student research enhances the University's reputation.
- Faculty and student research improves teaching and learning, develops critical thinking, and models lifelong learning.
- Research connects scholars to professional, local, and global communities.

#### **About Service, we believe that**

- Effective service is client-centered.
- Community service is an integral part of an interactive university.
- Service is personable, efficient, and accessible.

### **Core Values**

Minot State University uses its core values as a foundation for the day-to-day conduct of business.

- **Student Learning First:** People who place students first think about the interests and needs of students and make every effort to respond to those needs.
- **Pursuit of Excellence:** In the pursuit of excellence, people take pride in doing quality work, reflecting on the results of their work, and applying new learning.
- **Responsibility:** Responsible people know, understand, consider, and accept the impact and consequences of personal actions and decisions.
- **Respect:** Respectful people have confidence in their own beliefs and values, and they acknowledge, understand, and support the rights of others to express their beliefs.
- **Learning Community:** In learning communities people discuss, explore, and learn together. All feel a special connection as a valued member of the community.

### **Vision**

The following statements describe the vision that Minot State University holds for itself, expects to accomplish, and works toward everyday.

#### **The Minot State University Learning Vision**

- MSU is an ideal learning environment in which all perceive learning as dialectic and ongoing. They see themselves as active producers of knowledge, of value both to themselves and to others. They know the world as their "classroom." Learning here involves discovery and collaborative work with expert faculty who are passionately involved in scholarship.

#### **The Minot State University Teaching Vision**

- Teaching at MSU is highly valued and reinforced through administrative support. Teachers are knowledgeable about both content and pedagogy. In addition to their course interactions with students, teachers facilitate individual student growth through mentoring, advising, and shared inquiry. Teachers are committed to the assessment of student learning and continuous improvement.

### **The Minot State University Campus Life Vision**

- MSU is the university of choice in North Dakota. It is an active community with a growing student population.
- Extra curricular options focus on physical, social, intellectual, cultural, and creative growth and development.
- The community welcomes diverse students and values the diversity they provide.
- MSU's attractive and use oriented facilities engage students in career and life-skill activities.
- Support services enable challenged students to succeed at MSU.
- Faculty/staff ambassadors enable new students to transition successfully to MSU.
- MSU is an invigorating environment for students, faculty, and staff.

### **The Minot State University Research Vision**

#### **MSU has created a collegial culture where:**

- All faculty produce scholarly work that is validated through external evaluation and that expands knowledge and informs teaching.
- Every student participates with faculty in research and scholarship.
- MSU faculty are recognized and sought for their excellence in research and scholarship.
- Every faculty member has adequate internal support and release time for scholarship and research.
- All programs seek sources of external support for research and scholarship.

### **The Minot State University Service Vision**

- MSU provides anywhere, anytime education and services for people of all ages.
- Learners have the support they need to begin, continue, and complete their university education.
- Support services are easily obtained and are delivered in a personal and professional manner resulting in 100% satisfaction.
- Partnerships meet or exceed the expectations of the business community to support economic development in this region.
- The university community is actively engaged in on and off campus activities that support community needs, enhance quality of life, and promote continued development of teaching, research, and learning.

### **Campus and Region**

The University's tree-lined campus provides students a friendly and personal atmosphere. The campus includes five residence halls, seven classroom buildings, the student union, library, domed athletic facility, a concert hall, two theaters, and an art gallery.

The University is located in Minot, North Dakota, a city of over 35,000 that serves as the cultural, educational, and commercial center of a region which includes western North Dakota, eastern Montana, and southern Saskatchewan and Manitoba. Minot is known for its beautiful residential areas, spacious parks, and busy commercial districts. Here students find many of the cultural advantages usually associated with larger cities, including a symphony orchestra, an opera company, two theatre companies, three art galleries, a fine arts center, numerous choral groups, and a city band. Minot International Airport is served by Northwest Airlines. The city is also served by Amtrak. Minot is situated in one of the finest agricultural, industrial, and commercial areas in the state. The city is near the great Garrison Dam on the Missouri River which offers world-class outdoor recreational opportunities in fishing, boating, sailing, hunting and camping.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Colleges and Catalogs

#### College of Arts and Sciences

##### Department of Criminal Justice

[Criminal Justice](#)

##### Division of Humanities

[Art](#)

[Communication Arts](#)

[English](#)

[Foreign Language](#)

[Humanities](#)

##### Department of Mathematics and Computer Science

[Computer Science](#)

[Mathematics](#)

##### Division of Music

[Music](#)

##### Department of Biology

[Biology](#)

[Clinical Laboratory Science](#)

→ [Pre-Chiropractic](#)

→ [Pre-Dental Hygiene](#)

→ [Pre-Dentistry](#)

→ [Pre-Mortuary Science](#)

→ [Pre-Occupational Therapy](#)

→ [Pre-Physical Therapy](#)

→ [Pre-Wildlife Studies](#)

##### Devison of Science

[Chemistry](#)

[Geosciences](#)

[Engineering](#)

[Physical Science](#)

[Physics](#)

[Radiologic Technology](#)

→ [Pre-Engineering](#)

#### College of Business

##### Department of Accounting & Finance

[Accounting & Finance](#)

##### Department of Business Administration

[Business Administration](#)

##### Department of Business Information Tecnology

[Business Information Tecnology](#)

#### College of Education and Health Sciences

##### Department of Addiction Studies, Psychology & Social Work

[Addiction Studies](#)

[Psychology](#)

[Social Work](#)

##### Department of Communication Disorders & Special Education

[Communication Disorders](#)

[Special Education](#)

##### Department of Nursing

[Nursing](#)

##### Department of Teacher Education & Human Performance

[Elementary Education](#)

[Optional: Endorsements/Credentials](#)

[Human Performance](#)

[Corporate Fitness](#)

- [Pre-Medicine](#)
- [Pre-Optometry](#)
- [Pre-Pharmacy](#)
- [Pre-Radiologic Technology](#)
- [Pre-Vetrinary Medicine](#)

#### **Division of Social Science**

[Economics](#)

[Geography](#)

[History](#)

[Philosophy](#)

[Sociology](#)

[Social Science](#)

[Native American Studies](#)

→ [Pre-Law](#)

→ [Pre-Seminary](#)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Course Descriptions by Alphabetical Listing

[Course Descriptions A - D](#)

[Course Descriptions E - H](#)

[Course Descriptions I - L](#)

[Course Descriptions M - P](#)

[Course Descriptions R - U](#)

### Generic Course Descriptions

Course Numbering System

100-199 Primarily for first year student (freshman)

200-299 Primarily for sophomores

300-399 Primarily for juniors

400-499 Primarily for seniors

500-599 Primarily for graduate students

### Prerequisites and Corequisites

"Prerequisite" indicates the course, courses, or levels of competence to be satisfactorily completed before enrollment in the course described. "Corequisite" indicates a course which must be taken concurrently with the course described. Questions concerning prerequisites or corequisites should be referred to the instructor of the course.

### Sequential Courses

In general, courses listed in majors and minors should be taken in the numerical order as listed.

### Independent Study - General

Catalog courses throughout disciplines may be available through independent study. A student must make advance arrangements with the faculty member for an independent study course(s). There are additional fees for independent study course(s); contact the Center for Extended Learning (Administration Bldg) for specific information.

\*No student may apply for more than a total of four independent study credits to any degree program.

### Special Topics

Course numbers 299 and 499 are reserved throughout disciplines for special topics such as experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. They are offered for variable credit. The maximum number of 299 and 499 Special Topics credits that may be applied toward any major is 12 credits at each level.





Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

### 2004-2006 Addendum

The following items were added after the publication of the Catalog.

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

- [Fraud Examination Minor](#)
- [Virtual Business Minor](#)

The following have changed since the publication of the Catalog.

- [College of Business Curriculum](#)
  - [Printable pdf program comparison](#)
- [New COB Core and Required Support Courses](#)
- [New Accounting Major Courses](#)
- [New Finance Major Courses](#)
- [New Management Major Courses](#)
- [New Marketing Major Courses](#)
- [MIS Major](#)
- [New VB Major Courses](#)
- [New Bachelor of Applied Science \(BAS\) Program in Applied Management](#)
- [New Bachelor of Applied Science \(BAS\) Program: Business Information Technology](#)
- [New Accounting Minor](#)
- [New Finance Minor](#)
- [New Marketing Minor](#)
- [New Management Minor](#)
- [New Management Concentration](#)
- [New Accounting Concentration](#)
- [New Marketing Concentration](#)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

### Degree Offerings

- [Degree Offerings - College of Arts and Sciences](#)
- [Degree Offerings - College of Business](#)
- [Degree Offerings - College of Education and Health Sciences](#)
- [Degree Requirements](#)

- CURRENT STUDENTS
- FUTURE STUDENTS
- ALUMNI & FRIENDS

Program	Degree Program	Undergrad Minor	Concentration	Certificate	Non-degree Advising Program
<b>General Studies</b>	BGS				yes
<b>Honors Program</b>			yes		yes
<b>College of Arts and Sciences</b>					
Art	BA, BSE	yes	yes		
	<i>Specializations: Ceramics, Crafts, Graphic Design, Painting, Photography, Print Making and Drawing, Sculpture.</i>				
Applied Statistics		yes	yes		
Arts Administration	BS				
Banking and Finance			yes		
Biology	BA, BSE	yes	yes		
Broadcasting	BA		yes		
	<i>News Writing and Editorial Option, Production Option, Public Relations/Advertising Option</i>				
Chemistry	BA, BSE	yes	yes		
Clinical Laboratory Science	BS				
Communication	BA				
Communication Arts		yes	yes		
Computer Science	BS	yes	yes	yes	
Creative Dramatics			yes		
Criminal Justice	BS, MS, PhD*	yes		yes	
Drama		yes			
Earth Science	BSE				
Economics	BA	yes	yes		
Engineering Studies			yes		
English	BA, BSE	yes	yes		
Environmental Geology		yes			
Foreign Language: Dual Languages	BA				
Foreign Language: French	BA, BSE	yes	yes		

Foreign Language: German	BA, BSE	yes	yes		
Foreign Language: Spanish	BA, BSE	yes	yes		
Geography		yes	yes		
Geology	BA	yes	yes		
Gerontology		yes			
History	BA, BSE	yes	yes		
Humanities		yes			
Mathematics	BA, BSE, MAT	yes	yes		
Multimedia Studies	BS				
Music	BA, BSE, MME	yes	yes		
Native American Studies		yes	yes		
Philosophy		yes	yes		
Physical Science	BSE	yes	yes		
	<i>Option 1: Physical Science, Option 2: Environmental Science</i>				
Physics	BA, BSE	yes	yes		
Pre-Chiropractic					yes
Pre-Dental Hygiene					yes
Pre-Dentistry					yes
Pre-Engineering					yes
Pre-Law					yes
Pre-Medical					yes
Pre-Mortuary					yes
Pre-Occupational Therapy					yes
Pre-Optometry					yes
Pre-Pharmacy					yes
Pre-Physical Therapy					yes
Pre-Radiologic Technology					yes
Pre-Seminary					yes
Pre-Veterinary Medicine					yes
Pre-Wildlife Studies					yes
Print Communications			yes		
Public Administration			yes		
Radiologic Technology	BS				
Science	MAT				
Social Science	BA, BSE				
Sociology	BA	yes	yes		
	<i>Tracks: Criminology, Ethnic Minorities, Gender Studies, Public Administration, Studies in Aging</i>				
Theatre Arts	BA				
Theatre Management			yes		

*\* joint PHD program in Criminal Justice through partnership with University of North Dakota (UND)*

<b>Program</b>	<b>Degree Program</b>	<b>Undergrad Minor</b>	<b>Concentration</b>	<b>Certificate</b>	<b>Non-degree Advising Program</b>
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<b>College of Business</b>					
Accounting	BS	yes	yes		
Application Software Specialist				yes	
Applied Business Information Technology	BAS				
Applied Management	BAS				
Business Administration		yes			
Business Education	BSE	yes			
	<i>Option I-Emphasis on Business, Option II-Emphasis on Technology</i>				
Desktop and Web Publishing				yes	
Finance	BS	yes			
Information Processing			yes		
International Business	BS				
Management	BS, MS	yes	yes		
Management Information Systems	BS	yes			
Marketing	BS	yes	yes		
Office Services			yes		
Personal Finance (non-business majors)			yes		

<b>Program</b>	<b>Degree Program</b>	<b>Undergrad Minor</b>	<b>Concentration</b>	<b>Certificate</b>	<b>Non-degree Advising Program</b>
<b>College of Education and Health Sciences</b>					
Addiction Studies	BS	yes	yes		
Coaching		yes			
Communication Disorders	BSE, BS, MS				
	<i>Emphases only for MS: Audiology, Speech-Language Pathology.</i>				
Corporate Fitness	BS				
Driver Traffic Safety			yes		
Education	MED				
Elementary Education	BSE				
	<i>Grades 1-8 Option, Kindergarten Endorsement, Middle School Endorsement, Elementary Reading Credential</i>				
Health Education		yes			
Health/Wellness			yes		
Health Management Science			yes		
Nursing	BSN				
Physical Education	BSE	yes			
Psychology	BA, BSE	yes	yes		
Reading			yes		
School Psychology	Ed. Specialist				
Social Work	BSW				
Special Education	MS		yes		

	<i>Emphasis only for MS: Early Childhood Education, Education of the Deaf, Learning Disabilities, Severe Multiple Handicaps, Special Education Strategist</i>				
- Developmental Disabilities	AS, BS			COC	
- Education of the Deaf	BSE				
- Education of the Mentally Retarded	BSE				
- Severe Disabilities (Graduate level only)				COC	
	* COC denotes Certificate of Completion				

### **Degree Requirements**

#### **Bachelor of Applied Science (BAS) Degree**

Students must complete an Associate of Applied Science (AAS) Degree prior to being accepted into the BAS programs. Students graduating from two-year ND University System colleges may complete general education requirements at their respective campus. Students must complete the requirements as part of the total required 128 semester hours. A minimum GPA of 2.00 is required to graduate.

#### **Bachelor of Arts (BA) Degree**

Students earning a BA degree must pursue coursework outside the major and complete one of the following tracks:

1. One Major and three areas of Concentration
2. Two Majors and one area of Concentration
3. One Major, one Minor, and one area of Concentration
4. One Major, two Minors

Majors, minors, and concentrations cannot be in the same content area.

#### **Bachelor of General Studies (BGS) Degree**

This degree does not recognize the specializations of majors, minors, or concentrations. Students considering this degree must contact the Records Office to declare BGS status. In addition to general education requirements, students must complete a minimum of 40 semester hours of 300-400 level coursework as part of the total required 128 semester hours. A minimum GPA of 2.00 is required to graduate.

#### **Bachelor of Science in Education (BSE) Degree**

Teacher Education students must maintain cumulative grade point averages of at least 2.50 in all courses in the education core, the teaching major(s) or minor(s), and overall. The student must receive at least a "C" in every course in the Teacher Education core and courses that require admission to teacher education.

For information on admission and retention policies in Teacher Education, refer to the College of Education and Health Sciences section of this catalog.

#### **Bachelor of Science in Nursing (BSN) Degree**

Students who wish to earn this degree must be formally admitted into the nursing program and must make "satisfactory progress" as specified in the Department of Nursing section of this catalog. Once admitted, BSN candidates must maintain a minimum cumulative grade point average of 2.00 and a "C" grade in all required support and nursing major courses.

### **Bachelor of Social Work (BSW) Degree**

Students who wish to earn this degree must be formally admitted into the Social Work Program after the completion of three introductory courses. They must be further formally admitted to the Field Experience during the senior year. Students must also complete specified general education requirements and specified support courses in addition to the core social work course work. (Refer to the curricular plan outlined by the Social Work program.)

### **Certificate of Completion or Certificate Program**

Both Certificates of Completion and Certificate Programs can be annotated on an academic transcript. Students must complete half of the semester hours for each certificate of completion and/or certificate program through Minot State University.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

### Special Academic Programs

[Honors Program](#)

[General College](#)

[Study Abroad](#)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Academic Information

[Registration](#)  
[Grading System](#)  
[Academic Requirements](#)  
[General Information](#)  
[Graduation Requirements](#)  
[General Education Requirements](#)  
[Major Requirements](#)  
[Minor Requirements](#)  
[Concentration Requirements](#)  
[Certificate Program Requirements](#)  
[Certificate of Completion Requirements](#)  
[General Education Worksheet](#) - (printable pdf document)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Admissions

[General Application Procedures](#)  
[Freshman Admission Requirements](#)  
[Transfer Admission Requirements](#)  
[International Student Admission Requirements](#)  
[Special Admissions](#) [all other admission types]

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Academic Advising and Orientation

#### Advising

Minot State University maintains that academic advising is an important part of the educational process. Establishing a friendly and honest relationship with an academic advisor is advantageous to the student both personally and educationally. Effective advising helps students to maximize the educational benefits available to them at the University. The process of academic advising helps students to better understand their own abilities and potentialities. Advisors can then help students make connections to appropriate University resources.

Although academic advisors are here to help, it is important for students to realize that the ultimate responsibility for meeting all graduation requirements is their own. Students can increase their academic planning effectiveness by fully utilizing the advising system, and by thoroughly acquainting themselves with the academic requirements of their major and minor fields, with University policy for registration and graduation, and with scholastic requirements. The Undergraduate Catalog is the official source of information on these matters.

Academic advising is encouraged each term of all students. Students need to meet with the assigned advisor each term prior to completing registration. Each student is assigned to an Academic Advisor of Record upon admission to the University, based upon declared major. Advisor assignments are typically adjusted when a student officially changes their major. The Advisor of Record meets with advisees approximately two weeks prior to a registration period. It is up to the individual student to arrange to meet with the Advisor of Record to discuss plans for the upcoming term prior to completing the registration process. Changes of advisor assignment may be requested of the department chair overseeing the student's major.

#### Orientation

Entering first year student (freshman), transfer students, and parents are strongly encouraged to attend New Student Orientation which is scheduled prior to the beginning of fall term. Orientation introduces students to University life through a number of well-designed sessions and social activities. Information about orientation programs is sent to all students who have been admitted to the University.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Center for Extended Learning (CEL)

More information at the Center for Extended Learning's website:

[www.minotstateu.edu/cel](http://www.minotstateu.edu/cel)

The mission of the Center for Extended Learning (CEL) is to provide flexible, accessible and quality lifelong learning opportunities. To serve this mission, the center offers courses online, in the evenings at Minot Air Force Base, and in a range of formats that meet the needs of busy students. Formats include correspondence, "MSU Online," Interactive Video Network (IVN), camps, College for Kids, and business and professional seminars.

Because of its commitment to flexible scheduling to meet students' needs, the CEL is able to offer classes and workshops at locations anywhere in North Dakota. Any person in any part of the state may request the formation of a class or workshop. If the course is determined to be feasible, the CEL will work with the appropriate Minot State University department and college and hire an instructor to conduct the course.

Non-credit activities may also be developed to meet community needs and interests. Non-credit activities can cover a variety of interest areas and can also be offered in formats to meet student need.

### Registration for CEL Activities

Registration for all CEL activities may be completed in the Administration Building, on the Internet, or via phone. Tuition and fees are separate from, and in addition to, any course work taken through regular University registration. (See below.) Students may audit CEL offerings but there is no reduced fee. Prior to registration for a credit course, application to Minot State University must be completed. This does not apply to courses using attached credit (recording fee) only.

Non-credit courses may offer the option of Continuing Education Units (CEUs) or select professional association continuing education units.

MSU correspondence and online courses apply toward degrees or certificates at Minot State University.

### Tuition and Fees

(Subject to Change)

Undergraduate, per credit	\$134.50
Graduate, per credit	\$171.25
Attached Credit (recording fee)	\$50 (1-2 cr), \$100 (3-4 cr)

CEU's (per activity)	\$20
Online undergraduate, per credit	\$165.11
Online, graduate, per credit	\$193.78
MAFB	\$147.83
Bismarck	\$144.50

### **Financial Aid**

Financial aid is available to eligible students. For online and correspondence courses the student must make application to MSU, meet all admission standards listed in this catalog, and be eligible for financial aid.

### **Military**

CEL classes are available to military personnel and civilians, both at the Minot Air Force Base (MAFB) in the Francis Deignan Educational Building and on the Minot State University campus. The University provides a coordinator at MAFB to assist Air Force personnel in selecting courses and to assist students in curricular selection, tuition assistance, and registration. Students may register for MAFB classes via Web ALFI. All military using tuition assistance must complete the required forms through the base education office.

For more information regarding the military see "Special Admission Status."

### **Withdrawals-Military**

All military using tuition assistance wishing to withdraw from courses or school, must complete the required form through the base education office. Failure to follow the withdrawal procedures will result in the student receiving a failing grade for the course.

### **Refunds-All Students**

When it becomes necessary for a student to withdraw/drop from a CEL credit course, refunds are determined by university policies and refund procedures. Contact the Business Office for specific information.

### **MSU Online**

Minot State University is dedicated to the development of anytime, anywhere, quality education. Our Internet courses allow you to receive undergraduate, graduate or continuing education in the convenience of your home, office, or school. These courses reflect the same rigorous academic and faculty standards that apply to the University's traditional programs and fulfill certain degree requirements. Check our website for a listing of current certificate and degree programs available, [www.minotstateu.edu](http://www.minotstateu.edu).

### **Online Programs**

BAS-Bachelor of Applied Science (with majors in Applied Business  
Information Technology and Applied Management)  
BGS-Bachelor of General Studies  
BS-Management  
BS-Management Information Systems  
AS-Developmental Disabilities emphasis

### **Online Certificates**

Application Software Specialist  
Web Publishing  
Technology for Manager (Graduate)

## Developmental Disabilities

For a complete listing of online courses, check out our website at [online.minotstateu.edu](http://online.minotstateu.edu) today!

Modified: June 1, 2006

[CampusConnection](#)

[Privacy Policy](#)

[CONTACT US](#)



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## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Financial Information

[Tuition and Fees](#)  
[Financial Aid](#)  
[Scholarships and Award Programs](#)

More information can be found at the MSU Financial Aid website:  
[www.misu.nodak.edu/finaid](http://www.misu.nodak.edu/finaid)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Administration and Faculty

[Boards & Committees](#)

[Accreditation](#)

[Administrative Staff & Faculty List](#)

[Department Addresses and Phone Numbers](#)

[For Further Information](#)

### North Dakota State Board of Higher Education

The North Dakota State Board of Higher Education is a constitutional body created by a vote of the people of North Dakota in 1938 and is charged with the governance of the North Dakota Higher Education System, of which Minot State University is a part.

### Officers of The University

H. Erik Shaar, President Nancy Hall, Vice President for Academic Affairs Bruce Haskins, Vice President for Administration & Finance Richard R. Jenkins, Vice President for Advancement & Student Affairs

### Members of the Board

Charles Stroup, '04, Hazen Ralph Kingsbury, '05, Grafton Pam Kostelecky, '05, Dickinson Sue Andrews, '06, Mapleton Richard Kunkel, '06, Devils Lake Bruce I. Christianson, '07, Minot Beverly Clayburgh, '07, Grand Forks Ann Burnett, Faculty Representative, Fargo Phil Leitner, Student Representative, Valley City vacant, Chancellor, Bismarck

### Minot State University Board of Regents

The Board of Regents is an advisory board which is designed to facilitate the positive growth and development of Minot State University. This select group of influential individuals provides valuable input and guidance by participation in the University's ongoing strategic planning process. The Board of Regents also works with university administrators to accomplish specifically identified projects and activities.

### Executive Committee

Blaine DesLauriers, Executive Chair Tim Mihalick, Executive Chair Elect Nancy Sommers, Past Executive Chair Peggy Miller, Member-at-Large H. Erik Shaar, MSU President Bruce Haskins, Treasurer Richard R. Jenkins, Secretary

### Minot State University Development Foundation

The MSU Development Foundation is an independent, nonprofit, 501 (c)(3) I.R.C., organization which has been established for the purpose of soliciting, receiving and managing resources for the benefit of Minot State University. The foundation seeks funding from all appropriate external sources to supplement state appropriations, strengthen endowments, enhance scholarship

opportunities, and insure the highest level of educational programming for Minot State University. The three standing committees of the foundation are: 1. Investment Advisory Committee; 2. Special Gifts Committee; 3. Development Strategies Committee.

#### **Executive Committee**

Alan Kurth, President Rich Campbell, Vice President H. Erik Shaar, MSU President Bruce Haskins, Treasurer Richard R. Jenkins, Executive Director Eric Clausen, Investment Advisory Committee Lona Anderson, Special Gifts Committee Doris Slaaten, Development Strategies Committee

#### **Minot State University Alumni Association**

The MSU Alumni Association is a nonprofit, 501(c)(3) I.R.C. organization whose mission is to “promote positive relationships that encourage alumni, students, community, and friends to be actively and emotionally identified with Minot State University.” The Alumni Association Board of Directors works closely with the MSU Director of Alumni and Major Gifts to accomplish this by sponsoring various special programs and events, such as regional gatherings, reunions, the annual MSU GALA Dinner and Auction, Golden Awards Banquet, Rendezvous with MSU, Volunteers in Progress, travel programs, and the publication of the magazine “Connections.” There are no membership dues. Each graduating class is entered in the Alumni database and current addresses are maintained on these individuals. The Alumni Office is part of the University Advancement team and is currently housed in the lower level of the Administration Building.

#### **Executive Committee**

Marlys Magnuson '88, President Verla Rostad '76, President-Elect vacant, Vice President for Outreach Eric Schaeffer '91/'98, Vice President for Promotions Scott Louser '94/'01, Vice President for Events Barb Myhre, Director of Alumni and Major Gifts Randy Burckhard '74, Past President

#### **Minot State University Office of University Advancement**

The Office of University Advancement, located on the first floor of the Administration Building, has been established on the campus of Minot State University to oversee and coordinate all alumni, development, printing, and public relations efforts. The Vice President for Advancement and Student Affairs serves as the chief advancement officer, reports directly to the President of the University, and supervises the activities of the Directors of Printing Services, Public Information, and Alumni and Major Gifts. The advancement offices are responsible for creating and maintaining a positive public image for the University, cultivating meaningful relationships with the institution's various constituencies, and developing external resources from all available sources.

#### **Accreditation**

Minot State University is accredited by:

1. The Higher Learning Commission A Commission of the North Central Association of Colleges and Schools  
30 North LaSalle St, Suite 2400  
Chicago, IL 60602-2504
2. National Council for Accreditation of Teacher Education  
2010 Massachusetts Ave. NW, Suite 500  
Washington, DC 20036-1023
3. National Association of Schools of Music  
11250 Roger Bacon Dr, Suite 21  
Reston, VA 20190
4. Council for Education of the Deaf  
Kent State University  
Kent, OH 44242-001
5. Council on Academic Accreditation of the American Speech-Language Hearing Association

- 10801 Rockville Pike  
Rockville, MD 20852-3279
6. Council on Social Work Education—Baccalaureate level  
1600 Duke St.  
Alexandria, VA 22314-3421
  7. National League for Nursing  
350 Hudson Street, New York, NY 10014; 1-800-669-1656
  8. National Association of School Psychologists  
PO Box 791089  
Baltimore, MD 21279-1089
  9. Commission on Collegiate Nursing  
Dept. 210  
Washington, DC 20055-0210
  10. International Assembly for Collegiate Business Education  
11403 Strang Line Road  
Lenexa, KS 66215

### **Administrative Staff & Faculty List**

[printable pdf](#)

### **Department Addresses and Phone Numbers**

[printable pdf](#)

### **For Further Information**

If you do not find the answers to your particular problems or questions, in the Contents or in the Index, please contact one of the persons or offices indicated below:

1. Questions on University policy and other general affairs should be addressed to the President (858-3301).
2. Inquiries concerning admission or catalogs should be addressed to the Admission Office (858-3350).
3. Inquiries concerning transfer credits and courses, and requests for transcripts should be addressed to the Records Office (858-3340).
4. Inquiries concerning graduation requirements, majors and minor requirements, and substitution of courses should be addressed to the academic department.
5. Inquiries concerning fees should be directed to the Vice President for Administration and Finance (858-3321).
6. Inquiries concerning scholarships, loans, and financial affairs should be addressed to the Director of Financial Aid (858-3375).
7. Inquiries concerning extension, on-line, and correspondence courses and workshops should be addressed to the Center for Extended Learning (858-3822).
8. Questions concerning rooms and apartment housing should be addressed to the Director of Student Life (858-3993).
9. Questions concerning on-campus and student employment should be directed to the Career Services Office in Student Affairs (858-3361).
10. Inquiries regarding veteran-related concerns should be directed to the Financial Aid Office or to the Veterans Administration Office in Fargo, N.D. (858-3375).
11. Inquiries concerning graduate information should be directed to the Graduate School Office (858-3250).
12. Questions concerning grade appeals, students' rights, etc., should be directed to the Records Office (858-3340).
13. Communications concerning gifts and bequests to the University should be directed to the Vice President for Advancement and Student Affairs (858-3299).



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Faculty:** Rebecca Allen; Wojciech Cebulak; Lanette P. Dalley; Gary Rabe; Richard Seklecki; Mark Springer

[Bachelor of Science with a Major in Criminal Justice](#)

[Criminal Justice Minor](#)

### **BACHELOR OF SCIENCE WITH A MAJOR IN CRIMINAL JUSTICE (128 cr)**

General Education (40 cr)

#### **Required Criminal Justice Core Courses (22 cr)**

No substitutions; equivalent courses from other universities may be counted with advisor and department chair approval.

- CJ 120 Introduction to Criminal Justice (3)
- CJ 230 Criminal Law (3)
- CJ 300 Policing and Police-Community Relations (3)
- CJ 330 Criminological Theory (3)
- CJ 340 Juvenile Justice System (3)
- CJ 370 Court Process and Sentencing (3)
- CJ 380 Corrections (3)
- CJ 491 Senior Seminar (3)

All criminal justice core courses must be completed.

#### **Required Criminal Justice Elective Courses (21 cr)**

Choose from any combination of the following; no substitutions; equivalent courses from other universities may be counted with advisor and department chair approval.

- CJ 299 Special Topics (3)
- CJ 320 Probation, Parole, and Intermediate Punishments (3)
- CJ 345 Policy Issues in Criminal Justice (3)
- CJ 362 Women in the Criminal Justice System (3)
- CJ 365 Law and Society (3)
- CJ 375 Gangs (3)
- CJ 385 Terrorism (3)
- CJ 394 Independent Study (3)  
Prerequisite: consent of instructor.
- CJ 395 Victims and Victimology (3)
- CJ 399 Readings (3)  
Prerequisite: consent of instructor.
- CJ 410 Administration of Criminal Justice Systems (3)
- CJ 450 White-Collar Crime (3)
- CJ 490 Role Conflict and Performance Dilemmas in Criminal Justice (3)
- CJ 497 Field Experience (3-6)  
May be repeated once for 3 credit hours; consent of instructor.

Prerequisite: all core courses must be completed.  
CJ 499 Special Topics (3)

**Electives (47 cr)**

**CRIMINAL JUSTICE MINOR (21 cr)**

Required Courses (21 cr)

- CJ 120 Introduction to Criminal Justice (3)
- CJ 230 Criminal Law (3)
- CJ 300 Policing and Police-Community Relations (3)
- CJ 330 Criminological Theory (3)
- CJ 340 Juvenile Justice Systems (3)
- CJ 370 Court Process and Sentencing (3)
- CJ 380 Corrections (3)

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Faculty:** David Bradley; William Harbort; Jon Olson; Linda Olson; Douglas Pfliger, Program Coordinator; Walter Piehl

Art majors and minors are expected to attend a minimum of three Northwest Art Center exhibition receptions and one other public art reception per semester. Art majors are required to enroll in ART 425 the fall semester prior to the date they wish their senior exhibition to take place.

[Bachelor of Arts with a Major in Art](#)

[Bachelor of Fine Arts with a Major in Art](#)

[Bachelor of Science in Education with a Major in Art](#)

[Art Minor \(non-teaching\)](#)

[Art Minor \(teaching\)](#)

[Art Concentration](#)

[Graphic Design Concentration](#)

[Bachelor of Science with a Major in Arts Administration](#)

[Bachelor of Science with a Major in Multimedia Studies](#)

### **BACHELOR OF ARTS WITH A MAJOR IN ART (128 cr)**

General Education (38 cr)

#### **Required Core (18 cr)**

ART 110 Introduction to Art (2)

ART 122 Two-Dimensional Design (2)

ART 123 Color and Design (2)

ART 130 Drawing I (2)

ART 210 Art History I (3)

ART 211 Art History II (3)

ART 231 Figure Drawing I (2)

ART 425 Professional Practices for the Visual Artist (2)

#### **Areas of Specialization (19-22 cr)**

(must choose one area of specialization)

##### Ceramics (19 cr)

ART 124 Three-Dimensional Design (2)

ART 140 Crafts (2)

ART 204 Jewelry I (2)

ART 250 Ceramics I (2)

ART 265 Sculpture I (2)

ART 280 Photography I (2)

ART 351 Ceramics II (2)

ART 352 Ceramics III (2)

ART 412 Advanced Independent Ceramics (3)

Crafts (19 cr)

ART 124 Three-Dimensional Design (2)  
ART 140 Crafts (2)  
ART 204 Jewelry I (2)  
ART 220 Painting I (2)  
ART 250 Ceramics I (2)  
ART 265 Sculpture I (2)  
ART 270 Printmaking I (2)  
ART 280 Photography I (2)  
ART 416 Advanced Independent Crafts (3)

Graphic Design (22 cr)

ART 112 Computer Graphics (2)  
ART 213 Graphic Design I (2)  
ART 214 Graphic Design II (2)  
ART 225 Watermedia I (2)  
ART 270 Printmaking I (2)  
ART 280 Photography I (2)  
ART 322 Graphic Design III (2)  
ART 323 Illustration Techniques (2)  
ART 422 Digital Design (2)  
ART 423 Digital Design Lab (1)  
ART 497 Art Internship (3)

Painting (19 cr)

ART 220 Painting I (2)  
ART 225 Watermedia I (2)  
ART 270 Printmaking I (2)  
ART 280 Photography I (2)  
ART 323 Illustration Techniques (2)  
ART 333 Painting II (2)  
ART 334 Painting III (2)  
ART 380 Watermedia II (2)  
ART 411 Advanced Independent Painting (3)

Photography (22 cr)

ART 112 Intro to Computer Graphics (2)  
ART 280 Photography (2)  
ART 270 Printmaking I (2)  
COMM 360 Video Production I (3)  
ART 370 Photography II (2)  
ART 371 Photography III (2)  
ART 417 Advanced Independent Photo (3)  
ART 420 Art Internship (3)  
ART 422 Digital Design (2)  
ART 423 Digital Design Lab (1)

Printmaking and Drawing (19 cr)

ART 220 Painting I (2)

ART 225 Watermedia I (2)  
ART 270 Printmaking I (2)  
ART 280 Photography I (2)  
ART 323 Illustration Techniques (2)  
ART 331 Drawing III (2)  
ART 361 Printmaking II (2)  
ART 362 Printmaking III (2)  
ART 410 Advanced Independent Drawing (3)

**Sculpture (19 cr)**

ART 124 Three-Dimensional Design (2)  
ART 140 Crafts (2)  
ART 204 Jewelry I (2)  
ART 250 Ceramics I (2)  
ART 265 Sculpture I (2)  
ART 280 Photography I (2)  
ART 341 Sculpture II (2)  
ART 351 Ceramics II (2)  
ART 413 Advanced Independent Sculpture (3)

**Second Major or Minor and/or Concentration(s) (32 cr)**

**General Electives (18-22 cr)**

**BACHELOR OF FINE ARTS WITH A MAJOR IN ART (128 cr)\***

\*North Dakota State Board of Higher Education approval anticipated in May 2004

General Education Requirements (38 cr)

**Required Core (36 cr)**

ART 110 Introduction to Art (2)  
ART 112 Computer Graphics (2)  
ART 122 Two-Dimensional Design (2)  
ART 123 Color and Design (2)  
ART 124 Three-Dimensional Design (2)  
ART 130 Drawing I (2)  
ART 210 Art History I (3)  
ART 211 Art History II (3)  
ART 299 Special Topics (3)  
ART 499 Special Topics (3)  
ART 220 Painting I (2)  
ART 231 Figure Drawing I (2)  
ART 270 Printmaking I (2)  
ART 280 Photography I (2)  
ART 425 Professional Practices for the Visual Artist (2)  
ART 420 Internship (2)

**Areas of Specialization**

(must choose one area of specialization)

**Ceramics (34 cr)**

Art 140 Crafts (2)  
Art 204 Jewelry (2)

ART 213 Graphic Design I (2)  
ART 250 Ceramics I (2)  
ART 265 Sculpture I (2)  
ART 342 Sculpture II (2)  
ART 351 Ceramics II (2)  
ART 352 Ceramics III (2)  
ART 412 Advanced Independent Ceramics (8)  
ART 413 Advanced Independent Sculpture (6)  
ART 419 Advanced Independent Computer Graphics (2)  
ART 497 Art Internship (2)

Crafts (34 cr)

ART 140 Crafts (2)  
ART 204 Jewelry (2)  
ART 213 Graphic Design I (2)  
ART 219 Native American Art (2)  
ART 225 Watermedia I (2)  
ART 250 Ceramics I (2)  
ART 265 Sculpture I (2)  
ART 415 Advanced Independent Jewelry (6)  
ART 416 Advanced Independent Crafts (8)  
ART 419 Advanced Independent Computer Graphics (4)  
ART 497 Art Internship (2)

Graphic Design (34 cr)

ART 213 Graphic Design I (2)  
ART 214 Graphic Design II (2)  
ART 225 Watermedia I (2)  
ART 322 Graphic Design III (2)  
ART 323 Illustration Techniques (2)  
ART 361 Printmaking II (2)  
ART 370 Photography II (2)  
ART 380 Watermedia II (2)  
or ART 333 Painting II (2)  
ART 414 Advanced Independent Graphic Design (6)  
ART 419 Adv. Independent Computer Graphics (6)  
ART 422 Digital Design (2)  
ART 423 Digital Design Lab (1)  
ART 497 Art Internship (3)

Painting (34 cr)

ART 213 Graphic Design I (2)  
ART 225 Watermedia I (2)  
ART 323 Illustration Techniques (2)  
ART 331 Drawing III (2)  
ART 333 Painting II (2)  
ART 334 Painting III (2)  
ART 361 Printmaking II (2)  
ART 362 Printmaking III (2)  
ART 370 Photography II (2)  
ART 380 Watermedia II (2)  
ART 410 Advanced Independent Drawing (4)

ART 411 Advanced Independent Painting (8)  
ART 419 Advanced Independent Computer Graphics (2)

Photography (34 cr)

ART 213 Graphic Design I (2)  
ART 214 Graphic Design II (2)  
ART 225 Watermedia I (2)  
ART 333 Painting II (2)  
ART 361 Printmaking II (2)  
ART 362 Printmaking III (2)  
ART 370 Photography II (2)  
ART 371 Photography III (2)  
ART 417 Adv. Independent Photography (8)  
ART 419 Adv. Independent Computer Graphics (5)  
    ART 422 Digital Design (2)  
ART 423 Digital Design Lab (1)  
ART 497 Art Internship (2)

Printmaking and Drawing (34 cr)

ART 213 Graphic Design I (2)  
ART 225 Watermedia I (2)  
ART 323 Illustration Techniques (2)  
ART 331 Drawing III (2)  
ART 333 Painting II (2)  
ART 361 Printmaking II (2)  
ART 362 Printmaking III (2)  
ART 370 Photography II (2)  
ART 380 Watermedia II (2)  
ART 410 Advanced Independent Drawing (4)  
ART 419 Advanced Independent Computer Graphics (4)  
ART 418 Adv. Independent Printmaking (8)

Sculpture (34 cr)

ART 140 Crafts (2)  
ART 204 Jewelry (2)  
ART 213 Graphic Design I (2)  
ART 225 Watermedia I (2)  
ART 250 Ceramics I (2)  
ART 265 Sculpture I (2)  
ART 333 Painting II (2)  
ART 341 Sculpture II (2)  
ART 351 Ceramics II (2)  
ART 352 Ceramics III (2)  
ART 413 Advanced Independent Sculpture (8)  
ART 419 Advanced Independent Computer Graphics (4)  
ART 497 Art Internship (2)

**Required Support Courses (20 credits total)**

PHIL 100 Critical Thinking (3)  
HUM 299 Special Topics (3)  
Elect any five of the following  
MUSC 100 Music Appreciation (3)

MUSC 205 History of the U.S. Through its Music (3)  
HUM 251 Humanities (3)  
HUM 252 Humanities (3)  
HUM 253 Humanities (3)  
HUM 254 Non-Western Humanities (3)  
THEA 110 Introduction to Theater Arts (3)  
THEA 161 Acting I (3)  
ENG 211 Introduction to Creative Writing (3)  
ENG 225 Introduction to Film (3)  
ENG 240 World Literature Masterpieces (3)

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN ART (128 cr)**

General Education (38 cr)

**Required Core (37 cr)**

ART 110 Introduction to Art (2)  
ART 112 Computer Graphics (2)  
ART 122 Two-Dimensional Design (2)  
ART 123 Color and Design (2)  
ART 124 Three-Dimensional Design (2)  
ART 130 Drawing I (2)  
ART 140 Crafts (2)  
ART 201 Art Methods for Elementary Education (2)  
ART 210 Art History I (3)  
ART 211 Art History II (3)  
ART 220 Painting I (2)  
ART 225 Watermedia I (2)  
ART 231 Figure Drawing I or ART 331 Drawing III (2)  
ART 250 Ceramics I (2)  
ART 265 Sculpture I (2)  
ART 270 Printmaking I (2)  
ART 361 Printmaking II (2)  
ART 425 Professional Practices for the Visual Artist (2)

**K-12 Certification (36 cr)**

ART 390 Art Methods\* (2)  
ED 201 Introduction to Teaching (1)  
ED 310 Foundations of Education (3)  
ED 320 Curriculum, Planning, and Assessment\* (3)  
ED 380 Technology in Teaching\* (2)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
ED 494 Student Teaching\* (12)  
Elect one of the following (3 cr)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 352 Adolescent Psychology (3)  
SPED 110 Introduction to Exceptional Children (3)  
SS 283 Ethnic and Cultural Diversity in America (3)

\*Requires admittance to Teacher Education

**General Electives (17 cr)**

**ART MINOR (NON-TEACHING) (21 cr)**

ART 110 Introduction to Art (2)  
ART 122 Two-Dimensional Design (2)  
ART 123 Color and Design (2)  
ART 130 Drawing I (2)  
Elect one of the following (3 cr)  
    ART 210 Art History I (3)  
    ART 211 Art History II (3)  
ART Electives (10)

**ART MINOR (TEACHING) (23 cr)**

ART 110 Introduction to Art (2)  
ART 122 Two-Dimensional Design (2)  
ART 123 Color and Design (2)  
ART 130 Drawing I (2)  
ART 140 Crafts (2)  
ART 201 Art Methods for Elementary Education (2)  
ART 211 Art History II (3)  
ART 220 Painting I (2)  
ART 250 Ceramics I (2)  
ART 270 Printmaking I (2)  
ART 390 Art Methods (2)

**ART CONCENTRATION (11 cr)**

From the required core of any specialization

**GRAPHIC DESIGN CONCENTRATION (12 cr)**

ART 112 Computer Graphics (2)  
ART 122 Two-Dimensional Design (2)  
ART 123 Color and Design (2)  
ART 130 Drawing I (2)  
ART 213 Graphic Design I (2)  
Elect one of the following (2)  
    ART 270 Printmaking I (2)  
    ART 280 Photography I (2)

**BACHELOR OF SCIENCE WITH A MAJOR IN ARTS ADMINISTRATION (128 cr)**

Arts administration majors are required to attend three Northwest Art Center exhibition receptions and all student/faculty communication arts recitals each semester. All arts administration majors are required to enroll in ART 425 (Professional Practices and Exhibition) the fall semester prior to the date they wish their senior exhibition to take place.

**General Education (38 cr)****Required Art Courses (23-38 cr)**

ART 110 Introduction to Art (2)  
ART 112 Computer Graphics (2)  
ART 122 Two-Dimensional Design (2)  
ART 123 Color and Design (2)  
ART 210 Art History I (3)  
ART 211 Art History II (3)

ART 213 Graphic Design I (2)  
ART 214 Graphic Design II (2)  
ART 280 Photography I (2)  
ART 420 Internship (4-16)  
ART 425 Professional Practices (2)

**Required Administration Core (27 cr)**

ACCT 200 Elements of Accounting I (3)  
ACCT 201 Elements of Accounting II (3)  
ACCT 300 Legal Environment of Business (3)  
BADM 301 Fundamentals of Management (3)  
BADM 303 Human Resource Management (3)  
BADM 321 Marketing (3)  
BADM 436 Organizational Behavior (3)  
BADM 465 Strategic Management (3)  
FIN 353 Corporation Finance (3)

**Required Communication Arts Core (15 cr)**

COMM 212 Interpersonal Communication (3)  
COMM 220 Broadcast Advertising and Applications (3)  
COMM 244 Reporting and Feature Writing (3)  
COMM 320 Public Relations Principles (3)  
COMM 325 Campaigns and Strategies (3)

**Required English Core (3 cr)**

ENGL 315 Professional and Technical Writing (3)

**Highly Recommended Electives (7-22 cr)**

ACCT 315 Not-for-Profit Accounting (3)  
ART 101 Introduction to Studio Art (2)  
ART 130 Drawing I (2)  
BADM 205 Supervisory Management (3)  
BADM 324 Advertising and Sales Promotion (3)  
BADM 401 Entrepreneurship Small Business Management (3)  
BADM 422 Consumer Behavior (3)  
BADM 427 International Marketing (3)  
BADM 437 International Management (3)  
BOTE 127 Information Processing (3)  
BOTE 247 Spreadsheet Applications (3)  
COMM 210 Advanced Public Speaking (3)  
COMM 315 Persuasion and Argumentation (3)  
ENGL 411 Advanced Creative Writing (3)  
HIST 201 Modernization of Early America (3)  
HIST 203 American Social-Cultural History to 1865 (3)  
HIST 204 American Social-Cultural History from 1865 (3)  
HIST 220 North Dakota History (3)  
HIST 261 American Indian History (3)  
HIST 280 Practice and Method (2)  
HUM 254 Non-Western Humanities (3)  
MUSC 100 Music Appreciation (3)  
MUSC 201 World Music (3)  
MUSC 205 History of the US through its Music (3)

SS 283 Ethnic and Cultural Experience in America (3)  
THEA 250 Creative Drama (3)  
THEA 251 Puppetry (3)  
THEA 270 Stagecraft (3)  
THEA 353 Plays for the Young (3)  
THEA 372 Stage Lighting (2)  
THEA 414 Theater Management (3)

**Minimum Total Credits for Graduation (128)**

**BACHELOR OF SCIENCE WITH A MAJOR IN MULTIMEDIA STUDIES (128 cr)**

Multimedia Studies majors are required to attend three Northwest Art Center exhibition receptions and all student/faculty communication arts recitals each semester. All multimedia studies majors are required to enroll in ART 425 (Professional Practices and Exhibition) the fall semester prior to the date they wish their senior exhibition to take place. (COMM 492 Senior Project may substitute for ART 425 with the consent of COMM 492 instructor.)

**General Education (38 cr)**

**Required Core-ART (20-32 cr)**

ART 112 Computer Graphics (2)  
ART 122 Two-Dimensional Design (2)  
ART 123 Color and Design (2)  
ART 213 Graphic Design I (2)  
ART 214 Graphic Design II (2)  
ART 280 Photography I (2)  
ART 422 Digital Design (2)  
ART 423 Digital Design Lab (1)  
ART 425 Professional Practices for the Visual Artist (2)  
ART 497 Internship (4-16)

**Required Core-BUSINESS ADMINISTRATION (15 cr)**

BADM 321 Marketing (3)  
BADM 324 Advertising and Sales Promotion (3)  
BADM 422 Consumer Behavior (3)  
BADM 427 International Marketing (3)  
BADM 434 Cultural Environment of International (3)

**Required Core-COMMUNICATION ARTS (27 cr)**

COMM 120 Introduction to Broadcasting (3)  
COMM 225 Audio Production I (3)  
COMM 244 Reporting and Feature Writing (3)  
COMM 283 TV Activities (1)  
COMM 284 Radio Activities (1)  
COMM 320 Public Relations Principles (3)  
COMM 323 Journalism History (3)  
COMM 325 Campaigns and Strategies (3)  
COMM 360 Video Production I (3)  
COMM 412 Communication Law (3)  
COMM 475 Broadcast Production (1)

**Required Core-ENGLISH (9 cr)**

ENGL 310 Advanced Composition (3)  
ENGL 315 Professional and Technical Writing (3)  
ENGL 411 Creative Writing (3)

**Required Core-MUSIC (6 cr)**

MUSC 100 Music Appreciation (3)  
MUSC 205 History of the U.S. Through its Music (3)

**Electives (1-13 cr)**



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
 Course Descriptions  
 2004-06 Addendum

Introduction  
 Degree Offerings  
 Special Programs  
 Academic Information  
 Admissions  
 Advising & Orientation  
 Extended Learning  
 Financial Information  
 Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Faculty:** Conrad Davidson; Paula Lindekugel-Willis; Frank McCahill; Kevin Neuharth, Program Coordinator; Neil Roberts; Molly Schmidt

Communication Arts/Broadcasting majors are required to attend all student and faculty recitals, attend all mainstage productions, and participate in the faculty-student evaluation sessions designated by the faculty. Communication Arts/Broadcasting majors are required to present a full junior and senior recital. (Enrollment in COMM 392, Junior Project, and COMM 492, Senior Project, is required for the junior and senior recitals, respectively). Communication Arts minors are required to present a junior recital, COMM 392.

[Bachelor of Arts with a Major in Broadcasting](#)

[Broadcasting Concentration](#)

[Bachelor of Arts with a Major in Communication](#)

[Bachelor of Science in Education with a Major in Communication Arts](#)

[Communication Arts Minor \(teaching\)](#)

[Communication Arts Minor \(non-teaching\)](#)

[Creative Dramatics Minor](#)

[Bachelor of Arts with a Major in Theatre Arts](#)

[Theatre Management Minor](#)

[Communication Arts \(drama\) Concentration](#)

[Communication Arts \(speech\) Concentration](#)

[Print Communications Concentration](#)

### **BACHELOR OF ARTS WITH A MAJOR IN BROADCASTING (128 cr)**

General Education (38 cr)

#### **Required Core (22 cr)**

- COMM 099 Recitals (Every Semester)
- COMM 120 Introduction to Broadcasting (3)
- COMM 244 Reporting and Feature Writing (3)
- COMM 323 Journalism History (3)
- COMM 392 Junior Project (1)
- COMM 412 Communication Law (3)
- COMM 492 Senior Project (3)
- Elect from the following (6 cr)
  - COMM 475 Broadcast Production (2-8)
  - COMM 497 Broadcast Practicum (4)

#### **Required Courses in Option (22-25 cr)**

- Public Relations/Advertising Option
  - ART 112 Computer Graphics (2)
  - BADM 321 Marketing (3)

COMM 225 Audio Production I (3)  
COMM 320 Public Relations Principles (3)  
COMM 325 Campaigns and Strategies (3)  
COMM 360 Video Production I (3)  
Elect from the following (5 cr)  
    ART 213 Graphic Design I (2)  
    ART 280 Photography I (2)  
    BADM 324 Advertising and Sales Promotion (3)  
    BADM 422 Consumer Behavior (3)  
    COMM 220 Broadcast Advertising Applications (3)  
    COMM 322 Broadcast Sales (3)  
    COMM 420 Media as a Social Institution (2)  
Elect from the following (3 cr)  
    COMM 281 Reporting and Editing (1)  
    COMM 283 TV Activities (1)  
    COMM 284 Radio Activities (1)

**News Writing and Editorial Option**

ART 280 Photography I (2)  
COMM 224 Publication Makeup and Design (3)  
COMM 320 Public Relations Principles (3)  
COMM 327 Editing and Advising (3)  
Elect from the following (4 cr)  
    COMM 281 Reporting and Editing (1)  
    COMM 282 Yearbook Editing (1)  
Elect from the following (7 cr)  
    ART 213 Graphic Design I (2)  
    ART 323 Illustration Techniques (2)  
    COMM 410 Advanced Problems (3)  
    COMM 420 Media as a Social Institution (2)

**Production Option**

COMM 212 Interpersonal Communication (3)  
COMM 225 Audio Production I (3)  
COMM 326 Media Announcing (3)  
COMM 360 Video Production I (3)  
COMM 361 Broadcast News Writing (3)  
COMM 460 Video Production II (3)  
Elect from the following (2-3 cr)  
    COMM 362 Electronic News Gathering (3)  
    COMM 420 Media as a Social Institution (2)  
    THEA 161 Acting I (3)  
Elect from the following (4 cr)  
    COMM 283 TV Activities (1)  
    COMM 284 Radio Activities (1)

**Second Major or Minor/Concentration(s) and remaining Electives (45-47 cr)**

**BROADCASTING CONCENTRATION (11 cr)**

COMM 120 Introduction to Broadcasting (3)  
COMM 225 Audio Production I (3)  
COMM 360 Video Production I (3)

- Elect from the following (2 cr)
- COMM 283 TV Activities (1)
- COMM 284 Radio Activities (1)

## **BACHELOR OF ARTS WITH A MAJOR IN COMMUNICATION (128 cr)**

General Education (38 cr)

### **Required Core (37 cr)**

- COMM 099 Recitals (Every Semester)
- COMM 212 Interpersonal Communication (3)
- COMM 392 Junior Project (1)
- COMM 492 Senior Project (3)
- COMM 210 Advanced Public Speaking (3)
- COMM 311 Oral Interpretation (3)
- COMM 315 Persuasion and Argumentation (3)
- COMM 316 Group Dynamics (3)
- COMM 317 Rhetorical Theory (3)
- COMM 320 Public Relations Principles (3)
- COMM 410 Advanced Problems (3)
- COMM 413 Gender Communication (3)
- COMM Electives (6)
- Elect from the following (6 cr)
  - COMM 281 Reporting and Editing (1) (repeatable)
  - COMM 282 Yearbook Editing (1) (repeatable)
  - COMM 283 TV Activities(1) (repeatable)
  - COMM 284 Radio Activities (1) (repeatable)
  - COMM 285 Communication Arts Activities (1) (repeatable)

### **Second Major or Minor/Concentration(s) and remaining electives (53 cr)**

## **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN COMMUNICATION ARTS (128 cr)**

General Education (38 cr)

### **Required Core (39 cr)**

- COMM 099 Recitals (Every Semester)
- COMM 212 Interpersonal Communication (3)
- Elect from the following (6 cr)
  - COMM 285 Communication Arts Activities (1)
  - THEA 201 Theatre Practicum (1)
- COMM 311 Oral Interpretation (3)
- COMM 315 Persuasion and Argumentation (3)
- THEA 161 Acting I (3)
- THEA 270 Stagecraft (2)
- THEA 352 Theatre in the Classroom (3)
- THEA 385 Directing (3)
- COMM 392 Junior Project (1)
- COMM 492 Senior Project (3)
- COMM Electives (6)
- Elect one from the following (3 cr)
  - THEA 350 Theatre History, Criticism, and Literature I (3)
  - THEA 351 Theatre History, Criticism, and Literature II (3)

THEA 450 Contemporary Drama (3)

**Professional Education Sequence (39 cr)**

COMM 389 Directing Forensics (2)  
COMM 390 Communication Arts Methods\* (3)  
ED 201 Introduction to Teaching (1)  
ED 310 Foundations of Education (3)  
ED 320 Curriculum, Planning, and Assessment\* (3)  
ED 380 Technology in Teaching\* (2)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
ED 493 Student Teaching\* (12)  
Elect one of the following (3 cr)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 312 Human Development—Adolescence (3)  
    SPED 110 Introduction to Exceptional Children (3)  
    SS 283 The Ethnic Experience in America (3)

\* Requires admittance to Teacher Education

**Electives (12 cr)**

**COMMUNICATION ARTS MINOR (TEACHING) (27 cr)**

Elect from the following (3 cr)  
    COMM 099 Recitals (Every Semester)  
    COMM 285 Communication Arts Activities (1)  
    THEA 201 Theatre Practicum (1)  
COMM 311 Oral Interpretation (3)  
COMM 315 Persuasion and Argumentation (3)  
COMM 390 Communication Arts Methods (3)  
COMM 392 Junior Project (1)  
THEA 161 Acting I (3)  
THEA 270 Stagecraft (2)  
THEA 352 Theatre in the Classroom (3)  
THEA 385 Directing (3)  
Elect one from the following (3 cr)  
    THEA 350 Theatre History, Criticism, and Literature I (3)  
    THEA 351 Theatre History, Criticism, and Literature II (3)  
    THEA 450 Contemporary Drama (3)

**COMMUNICATION ARTS MINOR (NON-TEACHING) (24 cr)**

COMM 099 Recitals (Every Semester)  
Elect from the following (3 cr)  
    COMM 285 Communication Arts Activities (1)  
    THEA 201 Theatre Practicum (1)  
COMM 392 Junior Project (1)  
Elect one of the following (3 cr)  
    COMM 210 Advanced Public Speaking (3)  
    COMM 311 Oral Interpretation (3)  
    THEA 110 Introduction to Theatre Arts (3)  
COMM Electives (17)

**CREATIVE DRAMATICS MINOR (25 cr)**

COMM 099 Recitals (Every Semester)  
COMM 392 Junior Project (1)  
COMM 410 Advanced Problems: Tour Show (3)  
PSY 211 Human Development (3)  
THEA 250 Creative Drama (3)  
THEA 251 Puppetry (3)  
THEA 352 Theatre in the Classroom (3)  
THEA 353 Plays for the Young (3)  
Elect from the following (6 cr)  
    COMM 311 Oral Interpretation (3)  
    ENGL 238 Children's Literature (3)  
    ENGL 338 Literature for Adolescents (3)  
    THEA 110 Introduction to Theatre Arts (3)  
    THEA 161 Acting I (3)  
    THEA 385 Directing (3)

**BACHELOR OF ARTS WITH A MAJOR IN THEATRE ARTS (128 cr)**

General Education (38 cr)

**Required Core (45 cr)** COMM 099 Recitals (Every Semester)

COMM 212 Interpersonal Communication (3)  
COMM 392 Junior Project (1)  
COMM 492 Senior Project (3)  
THEA 110 Introduction to Theatre Arts (3)  
THEA 161 Acting I (3)  
THEA 201 Theatre Practicum (6)  
THEA 250 Creative Drama (3)  
THEA 270 Stagecraft (2)  
THEA 361 Acting II (3)  
THEA 385 Directing (3)  
THEA 386 Playwriting (3)  
Elect from the following (6 cr)  
    THEA 221 Costuming (2)  
    THEA 222 Make-up (2)  
    THEA 371 Scene Design (2)  
    THEA 372 Stage Lighting (2)  
Elect from the following (6 cr)  
    THEA 350 Theatre History, Criticism, and Literature I (3)  
    THEA 351 Theatre History, Criticism, and Literature II (3)  
    THEA 450 Contemporary Drama (3)

**Second Major or Minor/Concentration(s) and remaining electives (45 cr)****THEATRE MANAGEMENT MINOR (26 cr)**

BADM 301 Fundamentals of Management (3)  
COMM 099 Recitals (Every Semester)  
COMM 392 Junior Project (1)  
COMM 397 Communication Arts Practicum (3)  
THEA 161 Acting I (3)  
THEA 270 Stagecraft (2)  
THEA 385 Directing (3)

THEA 414 Theatre Management (3)

Elective Program Courses (8 cr)

Program I:

ACCT 201 Principles of Accounting I (3)

BADM 303 Human Resource Management (3)

BADM 305 Office Management (3)

BADM 324 Advertising and Sales Promotion (3)

COMM 412 Communication Law (3)

Program II:

ART 213 Graphic Design I (2)

ART 280 Photography I (2)

COMM 244 Reporting and Feature Writing (3)

COMM 320 Public Relations Principles (3)

COMM 360 Video Production I (3)

COMM 420 Media as a Social Institution (2)

THEA 250 Creative Drama (3)

### **COMMUNICATION ARTS (DRAMA) CONCENTRATION (12 cr)**

THEA 110 Introduction to Theatre Arts (3)

Elect from the following (9 cr)

THEA 161 Acting I (3)

THEA 221 Costuming (2)

THEA 222 Make-up (2)

THEA 270 Stagecraft (2)

THEA 350 Theatre History, Criticism, and Literature I (3)

THEA 351 Theatre History, Criticism, and Literature II (3)

THEA 385 Directing (3)

THEA 450 Contemporary Drama (3)

### **COMMUNICATION ARTS (SPEECH) CONCENTRATION (12 cr)**

Elect from the following

COMM 210 Advanced Public Speaking (3)

COMM 212 Interpersonal Communication (3)

COMM 311 Oral Interpretation (3)

COMM 315 Persuasion and Argumentation (3)

COMM 316 Group Dynamics (3)

COMM 317 Rhetorical Theory (3)

### **PRINT COMMUNICATIONS CONCENTRATION (12 cr)**

COMM 244 Reporting and Feature Writing (3)

COMM 224 Publication Makeup and Design (3)

Elect from the following (3 cr)

COMM 281 Reporting and Editing (1)

OR COMM 282 Yearbook Editing (1)

COMM 327 Editing and Advising (3)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

[Bachelor of Arts with a Major in English](#)  
[Bachelor of Science in Education with a Major in English](#)  
[Secondary Reading Credential \(elective\)](#)  
[English Minor \(non-teaching\)](#)  
[English Minor \(teaching\)](#)  
[English-Literature Concentration](#)  
[English-Expository Writing Concentration](#)  
[English-Creative Writing Concentration](#)  
[English-Dramatic Literature Concentration](#)  
[English-Comparative Literature Concentration](#)

### **BACHELOR OF ARTS WITH A MAJOR IN ENGLISH (128 cr)**

General Education (38 cr)

#### **Required Core (24 cr)**

ENGL 270 Introduction to Literary Studies (3)  
ENGL 274 Literary Genres & Periods (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 355 Age of Shakespeare (3)  
ENGL 491 Senior Seminar (3)

#### **Required Courses in Option (15 cr)**

##### **Literature Option**

Elect from the following (15 cr)

ENGL 211 Introduction to Creative Writing (3)  
ENGL 220 Introduction to Literature (3)  
ENGL 225 Introduction to Film (3)  
ENGL 231 Bible as Literature (3)  
ENGL 232 Mythology (3)  
ENGL 236 Women and Literature (3)  
ENGL 240 World Literature Masterpieces (3)  
ENGL 265 Native American Literature (3)  
ENGL 305 Advanced Grammar (3)  
ENGL 321 World Drama (3)  
ENGL 351 British Novel I (3)  
ENGL 352 British Novel II (3)  
ENGL 354 Studies in British Poetry (3)  
ENGL 361 American Novel I (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

ENGL 362 American Novel II (3)  
ENGL 364 Studies in American Poetry (3)  
ENGL 430 Advanced Seminar in Literature (3)  
ENGL 435 Major Writers (3)  
ENGL 470 Advanced Seminar in Literary Criticism (3)  
ENGL 299/499 Special Topics (1-12)

### **Writing Option**

Elect from the following (14-15 cr)

- ENGL 209 Introduction to Linguistics (3)
- ENGL 211 Introduction to Creative Writing (3)
- ENGL 305 Advanced Grammar (3)
- ENGL 310 Advanced Composition (3)
- ENGL 315 Professional and Technical Writing (3)
- ENGL 317 Teaching Writing (3)
- ENGL 410 Advanced Seminar in Literary Criticism (3)
- ENGL 411 Advanced Creative Writing (3)
- COMM 244 Reporting & Feature Writing (3)
- COMM 317 Rhetorical Theory (3)
- COMM 361 Broadcast News Writing (3)
- ART 112 Computer Graphics (2)
- THEA 386 Playwriting (3)
- ENGL 299/499 Special Topics (1-12)

### **Foreign Language Concentration (16 cr)**

### **Minor and/or Concentration(s) (22 cr)**

## **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN ENGLISH (128 cr)**

General Education (38 cr)

### **Required Core (39 cr)**

ENGL 270 Introduction to Literary Studies (3)  
ENGL 274 Literary Genres & Periods (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 305 Advanced Grammar (3)  
ENGL 355 Age of Shakespeare (3)  
ENGL 390 Secondary Language Arts Methods (3)  
ENGL 491 Senior Seminar (3)  
Elect one from the following (3 cr)

- ENGL 211 Introduction to Creative Writing (3)
- ENGL 310 Advanced Composition (3)
- ENGL 315 Professional & Technical Writing (3)
- ENGL 411 Advanced Creative Writing (3)

Elect from the following (9 cr)

- ENGL 220 Introduction to Literature (3)
- ENGL 231 Bible as Literature (3)
- ENGL 232 Mythology (3)
- ENGL 236 Women and Literature (3)

ENGL 238 Children's Literature (3)  
ENGL 240 World Literature Masterpieces (3)  
ENGL 265 Native American Literature (3)  
ENGL 317 Teaching Writing (3)  
ENGL 321 World Drama (3)  
ENGL 338 Literature for Adolescents (3)  
ENGL 351 British Novel I (3)  
ENGL 352 British Novel II (3)  
ENGL 354 Studies in British Poetry (3)  
ENGL 361 American Novel I (3)  
ENGL 362 American Novel II (3)  
ENGL 364 Studies in American Poetry (3)  
COMM 244 Reporting and Feature Writing (3)  
COMM 311 Oral Interpretation (3)  
ENGL 430 Advanced Seminar in Literature (3)  
ENGL 435 Major Writers (3)  
ENGL 470 Advanced Seminar in Literary Criticism (3)  
ENGL 299/499 Special Topics

**Professional Education Sequence (38 cr)**

ED 201 Introduction to Teaching (1)  
ED 310 Foundations of Education (3)  
ED 320 Curriculum, Planning, and Assessment\* (3)  
ED 380 Technology in Teaching\* (2)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
ED 493 Student Teaching\* (12)  
ENGL 390 Language Arts Methods\* (4)  
SPED 110 Introduction to Exceptional Children (3)  
SS 283 The Ethnic Experience in America (3)  
Elect one of the following (3 cr)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 312 Human Development-Adolescence (3)

\* Requires admittance to Teacher Education

**Electives (13 cr)**

**SECONDARY READING CREDENTIAL (ELECTIVE) (11 cr)**

May be added to Grade 7-12 North Dakota teaching license for those who have a major or minor in a Language Arts area; certificate requires three years of successful teaching experience to be granted; coursework only allows holder to teach in a Grade 7-12 Title I program.

ED 352 Foundations of Reading (3)  
ED 402 Reading in Content Areas (2)  
ED 440 Remedial Reading (3)  
ED 441 Clinical Practice in Remedial Reading (3)

**ENGLISH MINOR (NON-TEACHING) (21 cr)**

Elect one from the following (3 cr)  
    ENGL 220 Introduction to Literature (3)  
    ENGL 270 Introduction to Literary Criticism (3)  
ENGL Electives (18 cr)  
(excluding ENGL 110, 111, 120 and 121)

**ENGLISH MINOR (TEACHING) (25 cr)**

ENGL 270 Introduction to Literary Criticism (3)

ENGL 305 Approaches to Grammar (3)

ENGL 390 Language Arts Methods (4)

Elect two from the following (6 cr)

ENGL 251 British Literature I (3)

ENGL 252 British Literature II (3)

ENGL 261 American Literature I (3)

ENGL 262 American Literature II (3)

Elect one from the following (3 cr)

ENGL 321 World Drama (3)

ENGL 351 British Novel I (3)

ENGL 352 British Novel II (3)

ENGL 354 Studies in British Poetry (3)

ENGL 355 Age of Shakespeare (3)

ENGL 361 American Novel I (3)

ENGL 362 American Novel II (3)

ENGL 364 Studies in American Poetry (3)

Elect one from the following (3 cr)

COMM 244 Reporting and Feature Writing (3)

ENGL 211 Introduction to Creative Writing (3)

ENGL 310 Advanced Composition (3)

ENGL 411 Advanced Creative Writing (3)

Elect one from the following (3 cr)

COMM 311 Oral Interpretation (3)

COMM 327 Editing and Advising (3)

ENGL 220 Introduction to Literature (3)

ENGL 232 Mythology (3)

ENGL 236 Women and Literature (3)

ENGL 430 Advanced Seminar in Literature (3)

ENGL 470 Advanced Seminar in Literary Criticism (3)

ENGL 299/499 Special Topics (1-12)

ENGL 231 Bible as Literature (3)

ENGL 238 Children's Literature (3)

ENGL 240 World Literature Masterpieces (3)

ENGL 265 Native American Literature (3)

ENGL 317 Teaching Writing (3)

ENGL 338 Literature for Adolescents (3)

THEA 110 Introduction to Theatre (3)

THEA 250 Creative Drama (3)

**ENGLISH-LITERATURE CONCENTRATION (12 cr)**

Restricted to non-majors only

Required:

ENGL 251 British Literature I

ENGL 252 British Literature II

ENGL 261 American Literature I

ENGL 261 American Literature II

**ENGLISH-EXPOSITORY WRITING CONCENTRATION (12 cr)**

Required:

ENGL 310 Advanced Composition  
ENGL 315 Professional and Technical Writing  
COMM 317 Rhetorical Theory

Elect one from the following:

ENGL 305 Advanced Grammar  
ENGL 317 Teaching of Writing  
COMM 244 Report and Feature Writing  
COMM 361 Broadcast News Writing

#### **ENGLISH-CREATIVE WRITING CONCENTRATION (12 cr)**

Required:

ENGL 211 Introduction to Creative Writing  
ENGL 411 Advanced Creative Writing (once)  
THEA 386 Playwriting

Elect one from the following:

ENGL 411 Advanced Creative Writing (different genre)  
THEA 250 Creative Drama

#### **ENGLISH-DRAMATIC LITERATURE CONCENTRATION (12 cr)**

Required:

ENGL 321 World Drama  
ENGL 355 Age of Shakespeare  
THEA 120 Readings in Dramatic Literature

Elect one from the following:

THEA 450 Contemporary Drama  
ENGL 225 Introduction to Film Study

#### **ENGLISH-COMPARATIVE LITERATURE CONCENTRATION (12 cr)**

Required:

ENGL 240 World Literature  
ENGL 220 Introduction to Literature

Elect two from the following:

ENGL 225 Introduction to Film Study  
ENGL 231 Bible as Literature  
ENGL 232 Mythology  
ENGL 265 Native American Literature  
ENGL 321 World Drama  
HUM 254 Non-Western Humanities  
FREN 302; FREN 402; FREN 421  
GERM 322; GERM 421; GERM 422  
SPAN 342; SPAN 441; SPAN 442



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

- [Bachelor of Arts with a Major in Foreign Language](#)
- [Minors in French, German, or Spanish \(non-teaching\)](#)
- [Foreign Language BA and International Business Double Majors](#)
- [Bachelor of Science in Education with a Major in Foreign Language](#)
- [Minors in French, German, or Spanish \(teaching\)](#)
- [Concentrations in French, German, or Spanish](#)

### **BACHELOR OF ARTS WITH A MAJOR IN FOREIGN LANGUAGE (128 cr)**

General Education (38 cr)

#### **Required Courses in Option (43 cr)**

French Option:

- FREN 201 Intermediate French I (4)
- FREN 202 Intermediate French II (4)
- FREN 300 French Phonetics (2)
- FREN 301 French Conversation and Composition (3)
- FREN 302 Introduction to French Literature (3)
- FREN 303 French Culture (3)
- FREN 401 Advanced Topics in French (3)
- FREN 402 Genres or Periods in French Literature (3)
- FREN 450 Senior Capstone Project in French (3)
- LANG 451 Study Abroad (4)
- Elect one from the following (3 cr)
  - ENGL 293 History of the English Language (3)
  - ENGL 305 Advanced Grammar (3)

German Option:

- GERM 201 Intermediate German I (4)
- GERM 202 Intermediate German II (4)
- GERM 320 German Phonetics (2)
- GERM 321 German Conversation and Composition (3)
- GERM 322 Introduction to German Literature (3)
- GERM 323 German Culture (3)
- GERM 422 Genres or Periods in German Literature (3)
- GERM 450 Senior Capstone Project in German (3)
- GERM 499 Special Topics (1-4)
- LANG 451 Study Abroad (4)
- Elect one from the following (3 cr)
  - ENGL 293 History of the English Language (3)
  - ENGL 305 Advanced Grammar (3)

Spanish Option:

SPAN 201 Intermediate Spanish I (4)  
SPAN 202 Intermediate Spanish II (4)  
SPAN 340 Spanish Phonetics (2)  
SPAN 341 Spanish Conversation and Composition (3)  
SPAN 342 Introduction to Hispanic Literature (3)  
SPAN 441 Spanish Peninsular Literature (3)  
SPAN 442 Latin American Literature (3)  
SPAN 450 Senior Capstone Project in Spanish (3)  
LANG 451 Study Abroad (4)  
Elect one from the following (3 cr)  
    SPAN 343 Spanish Peninsular Culture (3)  
    SPAN 344 Latin American Culture (3)  
Elect one from the following (3 cr)  
    ENGL 293 History of the English Language (3)  
    ENGL 305 Advanced Grammar (3)

**Dual Language Option:**

Six 3-4 credit courses in any one language (French, German, or Spanish) excluding first year courses (18-20)

The equivalent of a minor in one of the other two languages (18-22)

A 2 credit phonetics course in the major language (2)

Elect one from the following (3 cr)

    ENGL 293 History of the English Language (3)  
    ENGL 305 Approaches to Grammar (3)

**Second major or minor and/or concentrations (32 cr)**

**Electives (11-23 cr)**

**Language Proficiency Test**

In addition to the above courses, a language proficiency test is required of all foreign language majors. The test is normally administered during the final semester of the program.

**Minors in French, German, or Spanish (non-teaching)**

Students must complete six 3-4 credit courses, or the equivalent, in the language to earn a minor.

**Foreign Language BA and International Business Double Majors**

Up to 15 credits in Foreign Language may also count towards satisfying the degree requirements in International Business for students pursuing a double major.

**Program Mission Statement**

To train students in the French language, culture, and literature, while celebrating the cultural heritage of other French-speaking countries.

**Program Goals**

The French program endeavors

- to provide quality training in language acquisition;
- to teach about French and francophone culture, history, and society;

- to train rigorously in French and francophone literature and literary analysis;
- to facilitate study abroad opportunities;
- to inspire critical and creative thinking;
- to guide research on French and francophone literature;
- to facilitate the successful transition into graduate studies and careers.

### **Learning Outcomes**

Students graduating with a major in French should achieve the following skills.

1. In the area of language acquisition:  
The French major shall be able to demonstrate proficiency in the target language within or beyond the intermediate high to advanced range of the ACTFL proficiency scale in all four skills (reading, writing, listening and speaking.)
2. In the area of critical and creative thinking:
  1. The French major shall be able to demonstrate knowledge of the target culture sufficient to conduct research in
    1. socio-cultural-historical issues of the target culture, or
    2. significant authors of the target culture.
  2. The French major shall be able to demonstrate the ability to integrate research in a formal capstone project that furthers the student's own intellectual development and/or may find application in future professional contexts (conference papers, publications, teaching).
  3. The FL major shall have successfully completed a significant period of study abroad.

### **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN FOREIGN LANGUAGE (128 cr)**

The aim of the BSE program is to produce graduates who are proficient in the foreign language, knowledgeable of the culture, and conversant with contemporary methods of foreign language pedagogy.

#### **General Education (38 cr)**

#### **Required Courses in Option (35-43 cr)**

French Option:

- FREN 201 Intermediate French I (4)
- FREN 202 Intermediate French II (4)
- FREN 300 French Phonetics (2)
- FREN 301 Conversation and Composition (3)
- FREN 302 Introduction to French Literature (3)
- FREN 303 French Culture (3)
- FREN 401 Advanced Topics in French (3)
- FREN 402 Genres of Periods in French Literature (3)
- FREN 450 Senior Capstone Project in French (3)
- LANG 451 Study Abroad (4)
- Elect one from the following (3 cr)
  - ENGL 293 History of the English Language (3)
  - ENGL 305 Advanced Grammar (3)

German Option:

- GERM 201 Intermediate German I (4)
- GERM 202 Intermediate German II (4)
- GERM 320 German Phonetics (2)
- GERM 321 German Conversation and Composition (3)
- GERM 322 Introduction to German Literature (3)

GERM 323 German Culture (3)  
GERM 422 Genres or Periods in German Literature (3)  
GERM 450 Senior Capstone Project in German (3)  
GERM 499 Special Topics (1-4)  
LANG 451 Study Abroad (4)  
Elect one of the following (3 cr)  
    ENGL 293 History of the English Language (3)  
    ENGL 305 Advanced Grammar (3)

Spanish Option:

SPAN 201 Intermediate Spanish I (4)  
SPAN 202 Intermediate Spanish II (4)  
SPAN 340 Spanish Phonetics (2)  
SPAN 341 Spanish Conversation and Composition (3)  
SPAN 342 Introduction to Hispanic Literature (3)  
SPAN 441 Spanish Peninsular Literature (3)  
SPAN 442 Latin American Literature (3)  
SPAN 450 Senior Capstone Project in Spanish (3)  
LANG 451 Study Abroad (4)  
Elect one from the following (3 cr)  
    SPAN 343 Spanish Peninsular Culture (3)  
    SPAN 344 Latin America Culture (3)  
Elect one from the following (3 cr)  
    ENGL 293 History of the English Language (3)  
    ENGL 305 Advanced Grammar (3)

Professional Education Sequence (37 cr)

ED 201 Introduction to Teaching (1)  
ED 310 Foundations of Education (3)  
ED 320 Curriculum, Planning, and Assessment\* (3)  
ED 380 Technology in Teaching\* (2)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
ED 493 Student Teaching\* (12)  
LANG 390 Foreign Language Methods\* (3)  
Elect one of the following (3 cr)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 352 Adolescent Psychology (3)  
    SPED 110 Introduction to Exceptional Children (3)  
    SS 283 Ethnic and Cultural Diversity in America (3)

\* Requires admittance to Teacher Education

**Electives (18 cr)**

**Language Proficiency Test**

In addition to the above courses, a language proficiency test is required of all foreign language majors. The test is normally administered during the final semester of the program.

**Minors in French, German, or Spanish (teaching)**

Students must complete six 3-4 credit courses or the equivalent, in the language, the foreign language methods course (LANG 390) and LANG 451 to earn a minor.

### **Concentrations in French, German, or Spanish**

Students must complete 15-16 credits, usually of first and second year courses, to earn a concentration. CLEP exams (prepared by the College Level Examination Program) granting up to 8 credits may substitute for the 101-102 courses where required for the major, the minor, or the concentration.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

Faculty: David Bradley, Program Coordinator; Eric Furusest; Robert Kibler; Lynne Rumney

### HUMANITIES MINOR (21 cr)

Elect one from the following (3 cr)

ART 210 Art History I (3)

ART 211 Art History II (3)

Elect one from the following (3 cr)

THEA 110 Introduction to Theatre Arts (3)

THEA 350 Theatre History, Criticism, and Literature I (3)

ENGL 321 Twentieth Century Drama (3)

ENGL 355 Age of Shakespeare (3)

Elect one from the following (3 cr)

HIST 101 Western Civilization I (3)

HIST 102 Western Civilization II (3)

HIST 103 U.S. History to 1877 (3)

HIST 104 U.S. History from 1877 (3)

HIST 203 American Social-Cultural History to 1865 (3)

HIST 204 American Social-Cultural History from 1865 (3)

PHIL 330 Political Philosophy (3)

PHIL 380 Existentialism (3)

Elect one from the following (3 cr)

ENGL 220 Introduction to Literature (3)

ENGL 240 World Literature Masterpieces (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 351 British Novel I (3)

ENGL 352 British Novel II (3)

ENGL 361 American Novel I (3)

ENGL 362 American Novel II (3)

Elect one from the following (3 cr)

MUSC 100 Music Appreciation (3)

MUSC 306 Music History and Literature I (3)

MUSC 307 Music History and Literature II (3)

Approved electives from ART, ENGL, HIST, MUSC, PHIL, or THEA (6). Electives must be approved by the humanities coordinator.

Students should use HUM 251, 252, 253, or 254 to fulfill the Humanities portion of general education.





Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Faculty:** Larry Atwood; Stephen Hayton; Scott Kast; Selmer Moen

[Bachelor of Science with a Major in Computer Science  
Minor and Area of Concentration](#)

[Computer Science Minor \(non-teaching\)](#)

[Computer Science Minor \(teaching\)](#)

[Computer Science Concentration](#)

[Certificate in Computer Science](#)

### **BACHELOR OF SCIENCE WITH A MAJOR IN COMPUTER SCIENCE (128 cr)**

General Education (38 cr)

#### **Required Core (25 cr)**

- CSCI 124 Introduction to C++ (4)
- CSCI 174 Intermediate C++ (3)
- CSCI 160 Data Structures and Algorithms I (3)
- CSCI 161 Data Structures and Algorithms II (3)
- CSCI 250 Computer Architecture/Assembler (3)
- CSCI 340 Local Area Networks (3)
- CSCI 352 Comparative Languages (3)
- CSCI 360 Systems Programming (3)

Elect one of the following (2-4 cr)

- BIT 333 COBOL Programming I (3)
- CSCI 122 Visual Basic (4)
- CSCI 126 Introduction to FORTRAN (2)
- CSCI 128 Introduction to Pascal (3)

Elect three courses from the following (8-9 cr)

- CSCI 260 The UNIX Environment (3)
- CSCI 321 Windows Programming (3)
- CSCI 330 Software Engineering and Design (3)
- CSCI 356 Data Base Management (3)
- CSCI 410 Internship (2)
- MATH 470 Numerical Analysis (3)

Elect two courses from the following (6 cr)

- CSCI 440 Local Area Networks II (3)
- CSCI 450 Operating Systems (3)
- CSCI 452 Compiler and Interpreter Construction (3)
- CSCI 456 Database Administration (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

Required Support Math Courses (11 cr)

MATH 146 Applied Calculus (3)

MATH 240 Applied Statistics (4)

MATH 305 Linear Algebra or MATH 208 Discrete Math (4)

Total Hours (Minimum-Maximum) (52-55 cr)

**MINOR AND AREA OF CONCENTRATION (38-42 cr)**

Selected from ACCT, BADM, BIOL, CHEM, GEOL, MIS, MATH, PHYS, PSY or Applied Statistics. A second major in one of these areas may be used in place of a minor and concentration. A choice of an area not on this list must be approved by the Math and Computer Science Department.

**COMPUTER SCIENCE MINOR (NON-TEACHING) (25 cr)**

Required Core (19 cr)

CSCI 124 Introduction to C++ (4)

CSCI 174 Intermediate to C++ (3)

CSCI 160 Data Structures and Algorithms I (3)

CSCI 161 Data Structures and Algorithms II (3)

CSCI 250 Computer Architecture/Assembler (3)

CSCI 340 Local Area Networks (3)

Elect two courses from the following (6 cr)

CSCI Any 300-400 Level Course (3)

MATH 470 Numerical Analysis (3)

**COMPUTER SCIENCE MINOR (TEACHING) (28 cr)**

Required Core (22 cr)

CSCI 124 Introduction to C++ (4)

CSCI 174 Intermediate to C++ (3)

CSCI 160 Data Structures and Algorithms I (3)

CSCI 161 Data Structures and Algorithms II (3)

CSCI 250 Computer Architecture/Assembler Language (3)

CSCI 340 Local Area Networks (3)

CSCI 352 Comparative Languages (3)

Elect two courses from the following (6 cr)

CSCI Any 300-400- Level Course (3)

MATH 470 Numerical Analysis (3)

CSCI 391 (2 cr) is required in the professional sequence.

**COMPUTER SCIENCE CONCENTRATION (12 cr)**

Elect at least 12 cr from CSCI courses.

**CERTIFICATE IN COMPUTER SCIENCE (17-18 cr)**

Non-degree program designed for student seeking computer programming expertise. Courses apply towards Bachelor of Science in computer science.

Required Core (14 cr)

CSCI 122 Visual Basic (4)

CSCI 412 Introduction to C++ (4)

CSCI 174 Intermediate C++ (3)

CSCI 250 Computer Architecture/Assembler Language (3)

Elect one course from the following:

BIT 333 COBOL Programming (3)

CSCI 127 Beginning JAVA (4)

CSCI 160 Data Structures and Algorithms I (3)

CSCI 321 Windows Programming (3)

CSCI 299 Java Script (3)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Faculty:** Larry Chu; Laurie Geller; Larry Goodman; David Harpster; David McCormack; Urmila Madhok; Cheryl Nilsen; Gordon Olson; Nancy Snyder; Kevin Vang

[Bachelor of Arts with a Major in Mathematics](#)

[Bachelor of Science in Education with a Major in Mathematics](#)

[Mathematics Minor \(non-teaching\)](#)

[Mathematics Minor \(teaching\)](#)

[Mathematics Concentration](#)

[Applied Statistics Minor](#)

[Applied Statistics Concentration](#)

### **BACHELOR OF ARTS WITH A MAJOR IN MATHEMATICS (128 cr)**

General Education (38 cr)

#### **Required Core (19 cr)**

MATH 165 Calculus I (4)

MATH 166 Calculus II (4)

MATH 205 Mathematical Proof and Problem Solving (3)

MATH 265 Calculus III (4)

MATH 305 Linear Algebra (4)

#### **Elect from the following (including at least three 400 level courses) (17 cr)**

MATH 266 Differential Equations (3)

MATH 315 Modeling (3)

MATH 320 Number Theory (3)

MATH 380 History of Mathematics (3)

MATH 420 Abstract Algebra (4)

MATH 445 Probability and Statistics I (4)

MATH 446 Probability and Statistics II (4)

MATH 450 Real Analysis (4)

MATH 460 Complex Analysis (3)

MATH 470 Numerical Analysis (3)

#### **Required Support Course (3-4 cr)**

CSCI 128 Introduction to Pascal

or CSCI 124 Introduction to C++ (3-4)

#### **Electives 51-52 cr**

Including second major and one area of concentration or minor and one area of concentration or three areas of concentration.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN MATHEMATICS (128 cr)**

General Education (38 cr)

Required Core (36 cr)

- MATH 165 Calculus I (4)
- MATH 166 Calculus II (4)
- MATH 205 Mathematical Proof and Problem Solving (3)
- MATH 265 Calculus III (4)
- MATH 305 Linear Algebra (4)
- MATH 320 Number Theory (3)
- MATH 330 College Geometry (4)
- MATH 380 History of Mathematics (3)
- MATH 400 level elective (3)
- MATH 445 Probability and Statistics I (4)

**Required Support Course (3-4 cr)**

- CSCI 120 Computer Programming I (3)  
or CSCI 124 Introduction to C++ (3-4)

**Professional Education Sequence (40 cr)**

May be taken prior to admission to Teacher Education

- ED 201 Introduction to Teaching (1)
- ED 310 Foundations of Education (3)
- SPED 110 Introduction to Exceptional Children (3)
- SS 283 Ethnic and Cultural Diversity in America (3)

Elect one of the following (3 cr)

- PSY 255 Child and Adolescent Psychology (3)
- PSY 312 Human Development-Adolescence (3)

May be taken only after admission to Teacher Education

- ED 320 Curriculum, Planning, and Assessment (3)
- ED 380 Technology in Teaching (2)
- MATH 391 Teaching Mathematics (4)
- MATH 393 Math Ed Seminar (2)
- ED 460 Managing the Learning Environment (2)
- ED 470 Teaching Diverse Learners (2)
- ED 493 Student Teaching-Secondary (12)

General Electives (10-11 cr)

**MATHEMATICS MINOR (NON-TEACHING) (22 cr)**

Required Core (15 cr)

- MATH 165 Calculus I (4)
- MATH 166 Calculus II (4)
- MATH 205 Mathematical Proof and Problem Solving (3)
- MATH 305 Linear Algebra (4)

**MATH Electives from 200, 300, or 400 level courses (7 cr)**

(MATH 277, 377, 391, and 393 cannot be elected.)

**MATHEMATICS MINOR (TEACHING) (30-31 cr)**

Required Core (23 cr)

MATH 165 Calculus I (4)  
MATH 166 Calculus II (4)  
MATH 240 Applied Statistics (4)  
MATH 305 Linear Algebra (4)  
MATH 320 Number Theory (3)  
MATH 330 College Geometry (4)

**Required Support Courses (7-8 cr)**

CSCI 120 Computer Programming I (3)  
or CSCI 124 Introduction to C++ (3-4)  
MATH 391 Teaching Mathematics (4)

**MATHEMATICS CONCENTRATION (12 cr)**

Elect at least 12 semester hours from the following:

MATH 107 or higher numbered courses excluding MATH 201H, 277, 377, 391, and 393.

**APPLIED STATISTICS MINOR (23-24 cr)**

Required Core (23-24 cr)

MATH 146 Applied Calculus (3)  
or MATH 166 Calculus II (4)  
MATH 240 Applied Statistics (4)  
MATH 305 Linear Algebra (4)  
MATH 345 Linear Models (4)  
MATH 346 Experimental Design (4)  
MATH 445 Probability and Statistics I (4)

**APPLIED STATISTICS CONCENTRATION (12 cr)**

Elect at least 12 semester hours from the following

MATH 240, MATH 345, MATH 346, MATH 445, or MATH 446.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

**Faculty:** Erik Anderson; DeVera Bowles; Kenneth Bowles; Cherie Collins; Patrick Hoffman; Sara Hoffman; Kathy McDaniel; Jon Rumney; Lynne Rumney; Dennis Simons; Penny Simons; Shelley Smithwick; Sandra Starr; Avis Veikley; Michael Whitmore

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

[Bachelor of Arts with a Major in Music](#)  
[Bachelor of Science in Education with a Major in Music Education](#)  
[Music Minor \(non-teaching\)](#)  
[Music Concentration](#)

**BACHELOR OF ARTS WITH A MAJOR IN MUSIC (128 cr)**  
General Education (38 cr)

### Required Core (52 cr)

- MUSC 099 Recitals, Concerts, and Seminars (0)
- 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 222 Music Theory III (3)
- MUSC 223 Aural Skills II (1)
- MUSC 224 Music Theory IV (3)
- MUSC 225 Aural Skills IV (1)
- MUSC 306 Music History and Literature I (3)
- MUSC 307 Music History and Literature II (3)
- MUSC 390 Secondary Instrumental Methods and Conducting (3)
- OR
- MUSC 391 Secondary Choral Methods and Conducting (3)
- MUSC 480 Senior Project (1)
- MUSC private lessons from the following (8 cr)
  - MUSC 102 Private Piano (1)
  - MUSC 106 Private Organ (1)
  - MUSC 111 Private Voice (1)
  - MUSC 116 Private Strings (1)
  - MUSC 126 Private Brass (1)
  - MUSC 131 Private Percussion (1)
- MUSC 133 Private Woodwinds (1)
- Elect one from the following (2 cr)
  - MUSC 321 Creativity in Music (2)
  - MUSC 323 Composition-MIDI Systems (2)
- Elect MUSC major ensemble courses from the following (8 cr)
  - MUSC 120 Concert Choir (1)
  - MUSC 150 Orchestra (1)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

MUSC 160 Concert Band (1)

**Required Courses in Performance (BA) (8 cr)**

Performance: MUSC Private Lessons Approved music electives

**Minor(s) and/or concentration(s) and remaining electives (37 cr).**

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN MUSIC EDUCATION (130 cr)**

General Education (38 cr)

**Coursework not requiring admission to Teacher Education (48 cr)**

MUSC 099 Recitals, Concerts, and Seminars (0)

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 222 Music Theory III (3)

MUSC 223 Aural Skills II (1)

MUSC 224 Music Theory IV (3)

MUSC 225 Aural Skills IV (1)

MUSC 306 Music History and Literature I (3)

MUSC 307 Music History and Literature II (3)

Elect one from the following (2 cr)

MUSC 321 Creativity in Music (2)

MUSC 323 Composition-MIDI Systems (2)

MUSC 330 Voice Methods (1)

MUSC 341 String Methods (1)

MUSC 342 Woodwind Methods (1)

MUSC 343 Brass Methods (1)

MUSC 344 Percussion Methods (1)

Elect MUSC private lessons from the following (7 cr)

MUSC 102 Private Piano (1)

MUSC 106 Private Organ (1)

MUSC 111 Private Voice (1)

MUSC 116 Private Strings (1)

MUSC 126 Private Brass (1)

MUSC 131 Private Percussion (1)

MUSC 133 Private Woodwinds (1)

Elect MUSC major ensemble courses from the following (7 cr)

MUSC 120 Concert Choir (1)

MUSC 150 Orchestra (1)

MUSC 160 Concert Band (1)

Elect MUSC secondary ensemble courses from the following (4 cr)

MUSC 120 Concert Choir (1)

MUSC 150 Orchestra (1)

MUSC 160 Concert Band (1)

MUSC 480 Senior Project (1)

**Teacher Education Sequence (44 cr)**

ED 210 Introduction to Teaching (1)

ED 310 Foundations of Education (3)

ED 320 Curriculum, Planning and Assessment\* (3)

ED 380 Technology in Teaching\* (2)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
ED 494 Student Teaching\* (12)  
MUSC 390 Secondary Instrumental Methods and Conducting (3)  
MUSC 391 Secondary Choral Methods and Conducting (3)  
MUSC 392 Elementary Music Methods\* (2)  
MUSC 393 Classroom Instruments\* (1)  
MUSC 401 Eval. and Administration in Music Education\* (1)  
SPED 110 Intro. to Exceptional Children (3)  
Elect one of the following (3 cr)  
    PSY 252 Child Psychology (3)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 352 Adolescent Psychology (3)  
SS 283 Ethnic and Cultural Diversity in America (3)  
\*Requires admission to Teacher Education

**MUSIC MINOR (NON-TEACHING) (22 cr)**

MUSC 122 Music Theory I (3)  
MUSC 123 Aural Skills I (1)  
MUSC 124 Music Theory II (3)  
MUSC 125 Aural Skills II (1)  
Elect one from the following (3 cr)  
    MUSC 306 Music History and Literature I (3)  
    MUSC 307 Music History and Literature II (3)  
MUSC 390 Secondary Instrumental Methods (3)  
OR  
MUSC 391 Secondary Choral Methods and Conducting (3)  
Elect MUSC private lessons from the following (4 cr)  
    MUSC 102 Private Piano (1)  
    MUSC 106 Private Organ (1)  
    MUSC 111 Private Voice (1)  
    MUSC 116 Private Strings (1)  
    MUSC 126 Private Brass (1)  
    MUSC 131 Private Percussion (1)  
    MUSC 133 Private Woodwinds (1)  
Elect MUSC major ensemble courses from the following (4 cr)  
    MUSC 120 Concert Choir (1)  
    MUSC 150 Orchestra (1)  
    MUSC 160 Concert Band (1)

**MUSIC CONCENTRATION (11 cr)**

MUSC 100 Music Appreciation (3)  
MUSC 122 Music Theory I (3)  
MUSC 123 Aural Skills I (1)  
Elect any four credits from the following (4 cr)  
    MUSC applied lessons:  
        MUSC 102 Private Piano (1)  
        MUSC 106 Private Organ (1)  
        MUSC 111 Private Voice (1)  
        MUSC 116 Private Strings (1)  
        MUSC 126 Private Brass (1)

MUSC 131 Private Percussion (1)  
MUSC 133 Private Woodwinds (1)  
MUSC major ensemble:  
MUSC 120 Concert Choir (1)  
MUSC 150 Orchestra (1)  
MUSC 160 Concert Band (1)

Modified: June 1, 2006

[CampusConnection](#)

[Privacy Policy](#)

[CONTACT US](#)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Faculty:** Richard Barkosky; Christopher Beachy; Alexandra Deufel; Christopher Keller; Heidi Super

[Bachelor of Arts with a Major in Biology](#)

[Biology Minor \(teaching and non-teaching\)](#)

[Biology Concentration](#)

[Bachelor of Science in Education with a Major in Biology](#)

### **BACHELOR OF ARTS WITH A MAJOR IN BIOLOGY (129-130 cr)**

General Education (38 cr)

The **three-course introductory sequence: (12 cr)** must be completed prior to enrolling in 300+ courses required for the degree. BIOL 150 is a prerequisite for BIOL 215 and BIOL 250. The introductory courses may be taken in any order.

BIOL 150 General Biology I: Introduction to Cellular Biology (4)

BIOL 151 General Biology II: Introduction to Zoology (4)

BIOL 154 General Biology III: Introduction to Botany (4)

### **200-level Required Courses (8 cr)**

BIOL 215 Genetics (4)

BIOL 250 Advanced Cell Biology (4)

### **Molecular and Cellular Section: select one (4 cr)**

BIOL 346 Developmental Biology (4)

BIOL 349 Plant Physiology (4)

BIOL 465 Immunology (4)

BIOL 480 Molecular Biology (4)

### **Organismal Section: select two (8 cr)**

BIOL 335 Comparative Anatomy (4)

BIOL 340 Systematic Zoology (4)

BIOL 448 Systematic Botany (4)

BIOL 458 Anatomy of Seed Plants (4)

### **Population Section: select two (8 cr)**

BIOL 301 Evolution (4)

BIOL 401 Population Genetics (4)

BIOL 330 Biogeography (4)

BIOL 347 General Ecology (4)

### **Electives**

BIOL 115; 142; 220/221; 310; 325; 350; 360; 470; or courses from above sections

Directed Research Track: 5 cr required with an optional total of 8 cr. No more than 5 cr can be taken per semester.

The faculty sponsor will determine the number of semester hours students will take per semester up to a maximum of eight (typically 1-2 per semester over 3-4 semesters depending on the nature of the project). At the end of each semester (excluding the last semester), students will receive an "x" designator to indicate the work remains in progress. Each completed student project will culminate in a public presentation of the results.

Nonresearch Track: for students not participating in research, two (2) biology electives are required.

**Additional Required Courses (26-27 cr)**

CHEM 121, 122, 240/PHYS 203, 204/MATH 240 or PSY 241

**Minor and/or Concentration(s) (15-16 cr)**

**BIOLOGY MINOR (TEACHING AND NON-TEACHING)**

BIOL 150 General Biology I: Introduction to Cellular Biology (4)

BIOL 151 General Biology II: Introduction to Zoology (4)

BIOL 154 General Biology III: Introduction to Botany (4)

BIOL 215 Genetics (4)

BIOL 250 Advanced Cellular Biology (4)

Choose two (2) 300- or 400-level courses from either the molecular/cellular section, organismal section, or the population section.

**BIOLOGY CONCENTRATION (12 cr)**

Choose 12 credits from the following courses:

BIOL 150 General Biology I: Introduction to Cellular Biology (4)

BIOL 151 General Biology II: Introduction to Zoology (4)

BIOL 154 General Biology III: Introduction to Botany (4)

BIOL 215 Genetics (4)

BIOL 250 Advanced Cellular Biology (4)

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN BIOLOGY (148 cr)**

General Education (38 cr)

The **three-course introductory sequence: (12 cr)** must be completed prior to enrolling in 300+ courses required by the degree. BIOL 150 is a prerequisite for BIOL 215 and BIOL 250. The introductory courses may be taken in any order.

BIOL 150 General Biology I: Introduction to Cellular Biology (4)

BIOL 151 General Biology II: Introduction to Zoology (4)

BIOL 154 General Biology III: Introduction to Botany (4)

**200-level Required Courses (8 cr)**

BIOL 215 Genetics (4)

BIOL 250 Advanced Cell Biology (4)

**Molecular and Cellular Section: select one (4 cr)**

BIOL 346 Developmental Biology (4)

BIOL 349 Plant Physiology (4)

BIOL 465 Immunology (4)

BIOL 480 Molecular Biology (4)

**Organismal Section: select two (8 cr)**

BIOL 335 Comparative Anatomy (4)

BIOL 340 Systematic Zoology (4)

BIOL 448 Systematic Botany (4)

BIOL 458 Anatomy of Seed Plants (4)

BIOL 460 Herpetology (4)

**Population Section: select two (8 cr)**

BIOL 301 Evolution (4)

BIOL 330 Biogeography (4)

BIOL 347 General Ecology (4)

BIOL 401 Population Genetics (4)

**Electives**

BIOL 115; 142; 220/221; 310; 325; 350; 360; 470; or courses from above sections

Directed Research Track: 5 cr required with an optional total of 8 cr. No more than 5 cr can be taken per semester.

The faculty sponsor will determine the number of semester hours students will take per semester up to a maximum of eight (typically 1-2 per semester over 3-4 semesters depending on the nature of the project). At the end of each semester (excluding the last semester), students will receive an "x" designator to indicate the work remains in progress. Each completed student project will culminate in a public presentation of the results.

Nonresearch Track: for students not participating in research, 2 biology electives are required.

**Additional Required Courses (25 cr)**

Elect from CHEM, GEOL, and PHYS (16 cr; not survey courses)

MATH 240 or PSY 241

MATH 107

Select one course from chemistry, geology, and physics. An additional course from one of the three areas is required to bring the total credits to 16.

**Professional Education Sequence (37 cr)**

ED 201 Introduction to Teaching (1)

ED 310 Foundations of Education (3)

ED 320 Curriculum, Planning, and Assessment (3)\*

ED 380 Technology in Teaching (2)\*

ED 460 Managing the Learning Environment (2)\*

ED 470 Teaching Diverse Learners (2)\*

ED 493 Student Teaching (12)\*

SCI 391 Teaching Science in the Secondary School (3)\*

SPED 110 Introduction to Exceptional Children (3)

SS 283 Ethnic and Cultural Diversity in America (3)

Elect one of the following (3 cr)

PSY 255 Child and Adolescent Psychology (3)

PSY 312 Human Development-Adolescence (3)

\* Requires admittance to Teacher Education.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Program Coordinator:** Heidi Super

### **BACHELOR OF SCIENCE WITH A MAJOR IN CLINICAL LABORATORY SCIENCE (129-131 cr)**

The Clinical Laboratory Science (CLS) program at Minot State University is a four year program leading to the Bachelor of Science Degree in Clinical Laboratory Science/Medical Technology. The program consists of courses that are designed to give the clinical laboratory science student the necessary, medically-oriented scientific background to enter clinical training at an accredited hospital laboratory.

The program consists of three years of academic coursework completed at Minot State University. Through an affiliation with the University of North Dakota, students spend 12 months in a clinical internship at one of the many participating accredited hospitals.

The academic portion of the program provides the student with a broad-based background in the sciences as well as general education courses in communications, the humanities and the social and behavioral sciences. The clinical year provides practical, hands on, experience in clinical laboratory techniques.

The first two years of the program primarily involve general education courses and fundamental courses in chemistry, microbiology, anatomy and physiology. The third year involves the students in courses more directly relevant to their major, such as parasitology, hematology, and immunology. These courses address more specifically what the student will encounter during the clinical internship year. Minot State University's clinical laboratory science curriculum meets all the requirements and recommendations of the National Registry of Medical Technologists. All affiliated hospitals are accredited by the Council on Medical Education. Upon completion, the student is eligible to take the national examination conducted by the Board of Registry to become a certified clinical laboratory scientist by the American Society of Clinical Pathologists MT (ASCP) and the National Certification Agency for Medical Laboratory Personnel National Exam for certification as Clinical Laboratory Scientist.

#### **General Education**

CLS majors are required to take a minimum of 38 credits of general education courses in each of the following subject areas: communications, history, humanities, wellness/personal development, mathematics, science, and social science. The general education math and science requirements are automatically met by taking CLS required courses. (See below.)

#### **Required Courses (49 cr)**

BIOL 150 General Biology I: Introduction to Cellular Biology (4)

Elect one of the following (4 cr)

BIOL 151 General Biology II: Introduction to Zoology (4)

BIOL 154 General Biology III: Introduction to Botany (4)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

BIOL 142 General Microbiology (4)  
BIOL 220 Anatomy and Physiology I (4)  
BIOL 221 Anatomy and Physiology II (4)  
BIOL 450 Parasitology (4)  
BIOL 455 Hematology (4)  
BIOL 465 Immunology (4)  
\*BIOL 475 Clinical Microbiology (4)

BIOL 103 Introduction to Clinical Laboratory Science (1)

CHEM 121 General Chemistry I (5)  
CHEM 122 General Chemistry II (5)  
CHEM 230 Quantitative Analysis (5)  
CHEM 240 Fundamentals of Organic Chemistry (5)  
CHEM 480 Biochemistry (3)  
CHEM 480L Biochemistry Lab (2)

BADM 301 Fundamentals of Management (3)

MATH 103 College Algebra (4)

BIOL 406 Clinical Laboratory Science (36)

\*strongly recommend, and if not taken, two (2) additional elective credits required

**Acceptance to clinical year requires:**

1. Satisfactory completion of required preparatory coursework prior to the final year.
2. Minimum GPA 2.8.
3. No more than one grade of "D" in preparatory coursework.
4. Nor more than three courses with repeats for "D" or "F" grades.
5. Evidence of professional integrity (letter of recommendation from advisor).
6. Completion of the UND application process by the specified deadline.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

**Advisor:** Christopher Beachy

Listed below are the Minot State University courses that satisfy the 60 SH requirement of all accredited colleges of chiropractic in the United States.

BIOL 142 General Microbiology

or BIOL 210 Principles of Human Anatomy

or BIOL 220 and 221 Anatomy & Physiology I and II

BIOL 150 General Biology I: Introduction to Cellular Biology

HMS 205 Medical Terminology

or BOTE 171 Medical Terminology

This course is highly suggested for the Pre-chiropractic program.

Students can take this course with MSU-Bottineau through interactive video

or online delivery. Contact MSU-Bottineau toll-free at 1-888-918-5623.

CHEM 121, 121L and 122, 122L General Chemistry I and II

CHEM 341 and 342 Organic Chemistry I and II

PHYS 203 and 204 Introduction to Physics I and II

ENGL 110 and 120 College Composition I and II

PSY 111 Introduction to Psychology

HUM 251, 252, and 253 Humanities

SOC 101 Introduction to Sociology

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Advisor:** Richard Barkosky

The only dental hygiene program in North Dakota is offered at the ND State College of Science at Wahpeton. Dental hygiene is a two-year program with limited admissions. Admission is typically highly competitive: for the fall 1997 entering class, there were 86 qualified applicants for the 28 slots available. For consideration the applicant **MUST** have at least one semester of chemistry and one of anatomy in college and a GPA of at least 2.5. Students interested in admission to the program at NDSCS may take the following courses at Minot State:

**Required for admission to the program**

CHEM 115 and 115L Introductory Chemistry

BIOL 220 Anatomy and Physiology I

**Also recommended**

BIOL 221 Anatomy and Physiology II

MATH 103 College Algebra (or Intro to Statistics)

A second semester of chemistry covering principles of organic chemistry and biochemistry is desirable but not available at MSU.

**Optional**

MATH 240 Applied Statistics

BIOL 142 Microbiology

**General Education courses**

ENGL 110, 120

COMM 110

PSY 111

SOC 101

and any humanities elective



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

**Advisor:** Richard Barkosky

It is suggested that students interested in applying to dental school pursue a degree in one of the sciences and take specific courses to meet admission requirements for dental school. Students planning to seek tuition support from the state of North Dakota should notify both the North Dakota State Board of Higher Education Office and their advisor. Although specific requirements may vary, the following list of Minot State courses based on the University of Minnesota is typical:

### Required

CHEM 121, 121L and 122, 122L General Chemistry I and II

CHEM 341 and 342 Organic Chemistry I and II

BIOL 150 and 151 General Biology I and II

PHYS 203 and 204 Introduction to Physics I and II

MATH 103 College Algebra

ENGL 110 and 120 Freshman English

COMM 110 Fundamentals of Speech Communications

PSY 111 Introduction to Psychology

### Suggested electives

art, biochemistry (CHEM 480), cell biology, human anatomy and physiology (BIOL 220, 221) and microbiology (BIOL 142).

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Advisor:** Richard Barkosky

Students interested in mortuary science may take one or two years of courses prior to enrolling in a professional program. There are a variety of programs around the United States, some two-years, some four-years. The students should have some idea of which professional program they wish to enter so a specific set of Minot State University courses may be selected that best fits their needs. The pre-mortuary science curriculum at Minot State University is patterned after the program at Mount Hood Community College in Gresham, Oregon. Mount Hood Community College suggests 30 semester hours of credit with the following courses:

- 9 SH of Communications, including ENGL 110 and 120 and COMM 110
- 9 SH of Science from Biology and Chemistry
- PSY 111, plus suggested electives PSY 201 and PSY 423
- 12 SH of Accounting and Business Ed
- 5 SH of Health and Physical Education

For licensure in North Dakota, the North Dakota Century Code requires:

- 12 SH of Communications
- 15 SH of Social Science
- 18 SH of Natural Science

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Advisor:** Christopher Beachy

Listed below are the suggested courses that may satisfy the pre-occupational therapy curriculum for UND.

- BIOL 150 General Biology I: Introduction to Cellular Biology
- BIOL 208 Medical Terminology-This course is requested by the chiropractic program. Students may take via correspondence from UND Continuing Education (1-800-342-8238).
- BIOL 220, 221 Anatomy & Physiology I and II
- CHEM 115 and 115L Introductory Chemistry
- COMM 110 Fundamentals of Speech
- ENGL 110, 120 College Composition I and II
- PSY 111 Introduction to Psychology
- PSY 252, 352 Child/Adolescent Psychology
- PSY 241 Introductory Statistics
- PSY 270 Abnormal Psychology
- SOC 101 Introduction to Sociology
- Humanities: 9 credits from three different areas

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

Advisor: Christopher Beachy

Physical therapy has become a five-year, master degree curriculum in most programs in the United States, including the University of North Dakota. The pre-physical therapy program at Minot State University has been developed to articulate with the UND program. Students may take one or two years at Minot State University before applying for admission to the professional component at UND. Application must be made during the last year of attendance at Minot 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 Minot State University cannot guarantee admission. Listed below are the Minot State University courses that satisfy the pre-physical therapy curriculum at UND:

BIOL 150, 151 General Biology I and II

BIOL 220, 221 Anatomy and Physiology I and II

CHEM 121, 121L and 122, 122L General Chemistry I and II

COMM 110 Fundamentals of Speech

ENGL 110, 120 Freshman English I and II

PHYS 203, 204 Introduction to Physics I and II

PSY 111 Introduction to Psychology

PSY 252, 352 Child/Adolescent Psychology

SOC 101 Introduction to Sociology

Humanities: 9 credits from three different areas

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

**Advisor:** Christopher Beachy

The pre-wildlife studies program is designed to satisfy the basic requirements recommended by most universities offering degree programs in fields such as ecology, wildlife management, and fisheries management. The course requirements also fulfill the requirements for the first two years in biology. The program is sufficiently broad to enable the student to transfer at the end of two years to a college or university offering specialized curricula in various fields of wildlife studies.

The biology courses which a pre-wildlife student would typically take are:

Two semesters of Introduction Biology:

BIOL 150 General Biology I: Introduction to Cellular Biology

BIOL 151 General Biology II: Introduction to Zoology

BIOL 154 General Biology III: Introduction to Botany

BIOL 340 Systematic Zoology

BIOL 347 General Ecology

BIOL 448 Systematic Botany

In addition to biology, the other recommended science courses are:

CHEM 121 and 122L General Chemistry I

CHEM 122 and 122L General Chemistry II

PHYS 203 Intro to Physics I

PHYS 204 Intro to Physics II

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

[Bachelor of Arts with a Major in Chemistry \(professional & general\)](#)  
[Bachelor of Science in Education with a Major in Chemistry](#)  
[Chemistry Minor \(teaching or non-teaching\)](#)  
[Chemistry Concentration](#)

### **BACHELOR OF ARTS WITH A MAJOR IN CHEMISTRY (128 cr)**

#### **OPTION I: PROFESSIONAL CHEMISTRY**

For students pursuing graduate education in chemistry

#### **General Education (40 cr)**

Chemistry majors are required to take the following courses which may be used to help satisfy

General Education requirements:

- MATH 165 Calculus I (4)
- PHYS 221 General Physics I (5)
- PHYS 222 General Physics II (5)

#### **Required Chemistry Courses (51 cr)**

- CHEM 121 and 121L General Chemistry I (5)
- CHEM 122 and 122L General Chemistry II (5)
- CHEM 230 Quantitative Analysis (5)
- CHEM 341 Organic Chemistry I (5)
- CHEM 342 Organic Chemistry II (5)
- CHEM 420 Inorganic Chemistry (3)
- CHEM 430 Instrumental Analysis (5)
- CHEM 440 Organic Spectroscopy (3)
- CHEM 461 Physical Chemistry I (4)
- CHEM 462 Physical Chemistry II (4)
- CHEM 480 Biochemistry (3)
- CHEM 480L Biochemistry Laboratory (2)
- CHEM 494 Directed Research (2)

#### **Required Support Courses (18-20 cr)**

- MATH 166 Calculus II (4)
- MATH 265 Calculus II (4)
- MATH 305 Linear Algebra (4)
- SCI 240 Research Methods (2)
- SCI 480 Seminar (2)
- Elect one from the following (2-4 cr)
  - CSCI 124 Introduction to C++ (4)
  - CSCI 126 Introduction to FORTRAN (2)
  - CSCI 128 Introduction to Pascal (3)
  - CSCI 160 Data Structures and Algorithms I (3)

## **Minor/Concentration /Electives (17-19 cr)**

### **OPTION II: GENERAL CHEMISTRY (minimum 120 cr)**

For students pursuing careers in areas requiring substantial background in chemistry such as medicine, forensic science, and chemical business.

#### **General Education (38 cr)**

Chemistry majors are required to take the following courses which may be used to help satisfy General Education requirements:

- MATH 165 Calculus I (4)
- PHYS 203 Introductory Physics I (4)
- PHYS 204 Introductory Physics II (4)

#### **Required Chemistry Courses (37-38 cr)**

- CHEM 121 and 121L General Chemistry I (5)
- CHEM 122 and 122L General Chemistry II (5)
- CHEM 230 Quantitative Analysis (5)
- CHEM 341 Organic Chemistry I (5)
- CHEM 342 Organic Chemistry II (5)
- CHEM 360 Principals of Physical Chemistry (4)
- CHEM 430 Instrumental Analysis (5)

Elect one from the following:

- CHEM 220 Descriptive Inorganic Chemistry (3)
- CHEM 380 Environmental Chemistry (4)
- CHEM 440 Organic Spectroscopy (3)
- CHEM 480 Biochemistry (3)

#### **Required Support Courses (8 cr)**

- MATH 240 Applied Statistics (4)
- SCI 240 Research Methods (2)
- SCI 480 Seminar (2)

#### **Secondary Minor/Major/Concentration(s) electives (44-45 cr)**

These should be chosen in consultation with your advisor to best prepare you for your career field. Example programs may include:

- Pre-health professional: BIOL 150, 151, 154, 142, 220, 221, 215, 250, 335, 401 (40 cr/ biology minor)
- Geochemistry: GEOL 105, 210, 230, 321, 240, 421, CHEM 380, CS elective + 11-12 elective credits
- Chemical Business: ACCT 201, 202, 300; BADM 301, 321, 353, 427, 436; ECON 201, 202 + 4-5 elective credits
- Forensic Chemistry: CJ 120, 230, 300, 330, 340, 370, 380 (criminal justice minor) + 13-14 elective credits

## **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN CHEMISTRY (138-140 cr)**

### **General Education (38 cr)**

Chemistry majors are required to take the following courses which may be used to help satisfy General Education requirements:

- MATH 165 Calculus I (4)
- PHYS 203 Introductory Physics I (4)
- PHYS 204 Introductory Physics II (4)

**Required Chemistry Courses (45 cr)**

CHEM 121 and 121L General Chemistry I (5)  
CHEM 122 and 122L General Chemistry II (5)  
CHEM 220 Descriptive Inorganic Chemistry (4)  
CHEM 230 Quantitative Analysis (5)  
CHEM 341 Organic Chemistry I (5)  
CHEM 342 Organic Chemistry II (5)  
CHEM 360 Principles of Physical Chemistry (4)  
CHEM 380 Environmental Chemistry (4)  
CHEM 440 Organic Spectroscopy (3)  
CHEM 480 Biochemistry (3)  
CHEM 480L Biochemistry Laboratory (2)

**Required Support Courses (18-20 cr)**

MATH 240 Applied Statistics (4)  
SCI 240 Research Methods (2)  
SCI 480 Seminar (2)  
Elect one from the following (2-4 cr)  
    CSCI 124 Introduction to C++ (4)  
    CSCI 126 Introduction to FORTRAN (2)  
    CSCI 128 Introduction to Pascal (3)  
    CSCI 160 Data Structures and Algorithms I (3)  
Elect from BIOL (4)  
Elect from GEOL (4)

**Professional Education Sequence (37 cr)**

ED 201 Introduction to Teaching (1)  
ED 310 Foundations of Education (3)  
ED 320 Curriculum, Planning, and Assessment (3)\*  
ED 380 Technology in Teaching (2)\*  
ED 460 Managing the Learning Environment (2)\*  
ED 470 Teaching Diverse Learners (2)\*  
ED 493 Student Teaching (12)\*  
SCI 391 Teaching Science in the Secondary School (3)\*  
SPED 110 Introduction to Exceptional Children (3)  
SS 283 Ethnic and Cultural Diversity in America (3)  
Elect one of the following (3 cr)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 352 Adolescence Psychology (3)

\* Requires admittance to Teacher Education.

**CHEMISTRY MINOR (TEACHING OR NON-TEACHING)**

**OPTION I (26-27 cr)**

CHEM 121 and 121L General Chemistry I (5)  
CHEM 122 and 122L General Chemistry II (5)  
CHEM 230 Quantitative Analysis (5)  
CHEM 240 Fundamental of Organic Chemistry (5)  
CHEM 480 Biochemistry (3)  
Elect one from the following (3-4 cr)  
    CHEM 220 Descriptive Inorganic Chemistry (3)

CHEM 360 Principles of Physical Chemistry (4)

CHEM 380 Environmental Chemistry (4)

**OPTION II (28-29 cr)**

CHEM 121 and 121L General Chemistry I (5)

CHEM 122 and 122L General Chemistry II (5)

CHEM 230 Quantitative Analysis (5)

CHEM 341 Organic Chemistry I (5)

CHEM 342 Organic Chemistry II (5)

Elect one from the following (3-4 cr)

CHEM 220 Descriptive Inorganic Chemistry (3)

CHEM 360 Principles of Physical Chemistry (4)

CHEM 380 Environmental Chemistry (3)

CHEM 480 Biochemistry (3)

**CHEMISTRY CONCENTRATION (14 cr)**

CHEM 121 and 121L General Chemistry I (5)

CHEM 122 and 122L General Chemistry II (5)

CHEM Electives at the 200 level or above (4)

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

[Bachelor of Arts with a Major in Geology](#)  
[Bachelor of Science in Education with a Major in Earth Science](#)  
[Environmental Geology Minor](#)  
[Geology Minor \(non-teaching\)](#)  
[Geology Minor \(teaching\)](#)  
[Geology Concentration](#)

### **BACHELOR OF ARTS WITH A MAJOR IN GEOLOGY (128 cr)**

#### **General Education (39 cr)**

Geology majors are required to take the following courses which may be used to help satisfy General Education requirements:

CHEM 121 and 121L General Chemistry I (5)  
MATH 107 Precalculus (4)

#### **Required Geology Courses (41 cr)**

GEOL 105 Physical Geology with lab (4)  
GEOL 106 Historical Geology with lab (4)  
GEOL 210 Minerals and Rocks (3)  
GEOL 305 Methods in Mineralogy and Petrology (2)  
GEOL 310 Igneous and Metamorphic Petrology (3)  
GEOL 311 Paleontology (4)  
GEOL 321 Hydrogeology (3)  
GEOL 322 Geomorphology (4)  
GEOL 361 Structural Geology (4)  
GEOL 411 Field Geology (6)  
GEOL 471 Sedimentation and Stratigraphy (4)

#### **Required Support Course (4 cr)**

SCI 240 Research Methods (2)  
SCI 480 Seminar (2)

#### **Second Major/Minor/Concentration(s)/Electives (44 cr)**

All transfer course work must be approved before it will be accepted for substitution into the geology major.

It is strongly recommended that geology majors in the BA curriculum select a minor and/or concentrations from the following: chemistry, physics, biology, mathematics, or computer science.

It is also recommended that geology majors planning on entering graduate school take mathematics through calculus and one year of chemistry, physics, and biology.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

## **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN EARTH SCIENCE (132 cr)**

### **General Education (39 cr)**

Earth Science majors are required to take the following courses which may be used to help satisfy General Education requirements:

- CHEM 121 and 121L General Chemistry I (5)
- PHYS 110 Astronomy (4)
- MATH 107 Precalculus (4)

### **Required Geology Courses (34 cr)**

- GEOL 105 Physical Geology with lab (4)
- GEOL 106 Historical Geology with lab (4)
- GEOL 210 Minerals and Rocks (3)
- GEOL 305 Methods in Mineralogy and Petrology (2)
- GEOL 310 Igneous and Metamorphic Petrology (3)
- GEOL 311 Paleontology (4)
- GEOL 320 Oceanography (3)
- GEOL 321 Hydrogeology (3)
- GEOL 322 Geomorphology (4)
- GEOL Electives (4) (may include GEOG 333)

### **Required Support Courses (22 cr)**

- CSCI 101 Introduction to Computer Science (3)
- MATH 240 Applied Statistics (4)
- SCI 240 Research Methods (2)
- SCI 480 Seminar (2)
- Elect from BIOL, CHEM, or PHYS, must include at least 4 cr from each discipline (may include CHEM 121 and 121L, may not include PHYS 110) (16)

### **Professional Education Sequence (37 cr)**

- ED 201 Introduction to Teaching (1)
- ED 310 Foundations of Education (3)
- ED 320 Curriculum, Planning, and Assessment (3)\*
- ED 380 Technology in Teaching (2)\*
- ED 460 Managing the Learning Environment (2)\*
- ED 470 Teaching Diverse Learners (2)\*
- ED 493 Student Teaching (12)\*
- SCI 391 Teaching Science in the Secondary School (3)\*
- SPED 110 Introduction to Exceptional Children (3)
- SS 283 Ethnic and Cultural Diversity in America (3)
- Elect one of the following (3 cr)
  - PSY 255 Child and Adolescent Psychology (3)
  - PSY 352 Adolescent Psychology (3)

\* Requires admittance to Teacher Education.

All transfer course work must be approved before it will be accepted for substitution into the earth science major.

It is recommended that geology majors elect minors in additional fields of science to make themselves more employable as teachers.

All transfer course work must be approved before it will be accepted for substitution into a Geology, Environmental Geology or Earth Science minor.

**ENVIRONMENTAL GEOLOGY MINOR (27-28 cr)**

Without a Geoscience major:

- GEOL 105 Physical Geology with lab (4)
- GEOL 210 Minerals and Rocks (3)
- GEOL 255 Economic and Petroleum Geology (3)
- GEOL 321 Hydrogeology (3)
- GEOL 322 Geomorphology (4)
- GEOL 331 Soils (4)
- Elect one of the following (3-4 cr)
  - GEOL 340 Aqueous Geochemistry (3)
  - CHEM 380 Environmental Chemistry (4)
- GEOL 421 Applied Hydrogeology (3)

**With a Geoscience major (27-29 cr):**

- GEOL 255 Economic and Petroleum Geology (3)
- GEOL 300 Geologic Field Methods (3)
- GEOL 331 Soils (4)
- GEOG 333 Meteorology (3)
- Elect one of the following (3-4 cr)
  - GEOL 340 Aqueous Geochemistry (3)
  - CHEM 380 Environmental Chemistry (4)
- GEOL 421 Applied Hydrogeology (3)
- Elect two from:
  - BIOL 150, 153, 154 (4); CHEM 122/122L (5); or PHYS 203 (4)

**GEOLOGY MINOR (NON-TEACHING) (26-28 cr)**

- GEOL 105 Physical Geology with lab (4)
- GEOL 106 Historical Geology with lab (4)
- GEOL 210 Minerals and Rocks (3)
- Elect one of the following (2-3 cr)
  - GEOL 240 Geology of North Dakota (2)
  - GEOL 255 Economic and Petroleum Geology (3)
- GEOL 300 Geologic Field Methods (3)
- Elect one of the following (3-4 cr)
  - GEOL 310 Igneous and Metamorphic Petrology (3)
  - GEOL 361 Structural Geology (4)
- GEOL 471 Sedimentation and Stratigraphy (4)
- GEOL Electives numbered 200 or above (3)

**GEOLOGY MINOR (TEACHING) (23 cr)**

- GEOL 105 Physical Geology with lab (4)
- GEOL 106 Historical Geology with lab (4)
  - GEOL 240 Geology of North Dakota (2)
- GEOL Electives numbered 200 or above (6)
  - GEOG 362 Meteorology (3)
  - PHYS 110 Astronomy (4)

**GEOLOGY CONCENTRATION (11 cr)**

## Elect GEOL courses (11 cr)

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[CampusConnection](#)

[Privacy Policy](#)

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**Be seen. Be heard.**

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

### **ENGINEERING STUDIES CONCENTRATION (12 cr)**

EE 206 Circuit Analysis (3)

ENGR 101 Engineering Graphics (3)

ENGR 201 Statics (3)

ENGR 202 Dynamics (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

[Bachelor of Science in Education with a Major in Physical Science \(2 options\)](#)  
[Physical Science Minor \(teaching or non-teaching\)](#)  
[Physical Science Concentration](#)

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN PHYSICAL SCIENCE**

#### **Option I - Physical Science (129-131 cr)**

##### **General Education (38 cr)**

Physical Science majors are required to take the following courses which may be used to help satisfy General Education requirements:

- GEOL 105 Physical Geology with lab (4)
- PHYS 110 Astronomy (4)
- MATH 165 Calculus I (4)

##### **Required Courses (54-56 cr)**

- BIOL 150 General Biology I: Introduction to Cellular Biology (4)
- CHEM 121 and 121L General Chemistry I (5)
- CHEM 122 and 122L General Chemistry II (5)
- CHEM 230 Quantitative Analysis (5)
- CSCI 101 Introduction to Computer Science (3)
- GEOL 210 Minerals and Rocks (3)
- GEOL 240 Geology of North Dakota (2)
- GEOL 320 Oceanography (3)
- MATH 166 Calculus II (4)
- MATH 240 Applied Statistics (4)

Select from the following:

- PHYS 203 Introduction to Physics I (4)
- PHYS 204 Introduction to Physics II (4)

**OR**

- PHYS 221 General Physics I (5)
- PHYS 222 General Physics II (5)

Select one of the following (4):

- PHYS 405 Advanced Physics by Inquiry (4)
- PHYS 411 Principles of Physics Measurement (4)
- PHYS 412 Astronomical Instruments (4)

- SCI 240 Research Methods (2)
- SCI 480 Seminar (2)

##### **Professional Education Sequence (37 cr)**

- ED 201 Introduction to Teaching (1)
- ED 310 Foundations of Education (3)
- ED 320 Curriculum, Planning, and Assessment (3)\*
- ED 380 Technology in Teaching (2)\*

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

ED 460 Managing the Learning Environment (2)\*  
ED 470 Teaching Diverse Learners (2)\*  
ED 493 Student Teaching (12)\*  
SCI 391 Teaching Science in the Secondary School (3)\*  
SPED 110 Introduction to Exceptional Children (3)  
SS 283 Ethnic and Cultural Diversity in America (3)  
Elect one of the following (3 cr)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 352 Adolescent Psychology (3)  
\* Requires admittance to Teacher Education.

**Option II - Environmental Science (137-139 cr)**

**General Education (38 cr)**

Physical Science majors are required to take the following courses which may be used to help satisfy General Education requirements:

BIOL 151 General Biology II: Introduction to Zoology (4)  
GEOL 105 Physical Geology with lab (4)  
MATH 165 Calculus I (4)

**Required Courses (62-64 cr)**

BIOL 154 General Biology III: Introduction to Botany (4)

Elect from the following (4 cr)

    BIOL 301 Evolution (4)  
    BIOL 330 Biogeography (4)  
    BIOL 347 General Ecology (4)

CHEM 121 and 121L General Chemistry I (5)

CHEM 122 and 122L General Chemistry II (5)

Elect from the following (5 cr)

    CHEM 230 Quantitative Analysis (5)  
    CHEM 240 Fundamentals of Organic Chemistry (5)

CHEM 380 Environmental Chemistry (4)

CSCI 101 Introduction to Computer Science (3)

GEOL 210 Minerals and Rocks (3)

Elect from the following (5 cr)

    GEOL 240 Geology of North Dakota (2)  
    GEOL 255 Economic and Petroleum Geology (3)  
    GEOL 320 Oceanography (3)  
    GEOL 321 Hydrogeology (3)

MATH 166 Calculus II (4)

MATH 240 Applied Statistics (4)

Select from the following:

    PHYS 203 Introduction to Physics I (4)  
    PHYS 204 Introduction to Physics II (4)  
    OR

    PHYS 221 General Physics I (5)  
    PHYS 222 General Physics II (5)

Select one of the following:

    PHYS 405 Advanced Physics by Inquiry (4)  
    PHYS 411 Principles of Physics Measurement (4)  
    PHYS 412 Astronomical Instruments (4)

SCI 240 Research Methods (2)

SCI 480 Seminar (2)

**Professional Education Sequence (37 cr)**

- ED 201 Introduction to Teaching (1)
  - ED 310 Foundations of Education (3)
  - ED 320 Curriculum, Planning, and Assessment (3)\*
  - ED 380 Technology in Teaching (2)\*
  - ED 460 Managing the Learning Environment (2)\*
  - ED 470 Teaching Diverse Learners (2)\*
  - ED 493 Student Teaching (12)\*
  - SCI 391 Teaching Science in the Secondary School (3)\*
  - SPED 110 Introduction to Exceptional Children (3)
  - SS 283 Ethnic and Cultural Diversity in America (3)
  - Elect one of the following (3 cr)
    - PSY 255 Child and Adolescent Psychology (3)
    - PSY 352 Adolescent Psychology (3)
- \* Requires admittance to Teacher Education.

**PHYSICAL SCIENCE MINOR (TEACHING or NON-TEACHING) (30 cr)**

- CHEM 121 and 121L General Chemistry I (5)
- CHEM 122 and 122L General Chemistry II (5)
- Elect from the following (5 cr)
  - CHEM 230 Quantitative Analysis (5)
  - CHEM 240 Fundamentals of Organic Chemistry (5)
- Select from the following:
  - PHYS 203 Introduction to Physics I (4)
  - PHYS 204 Introduction to Physics II (4)
- OR
  - PHYS 221 General Physics I (5)
  - PHYS 222 General Physics II (5)
  - PHYS 421 Quantum Mechanics (4)

**PHYSICAL SCIENCE CONCENTRATION (12 cr)**

- Elect from both CHEM and PHYS courses (12)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

[Bachelor of Arts with a Major in Physics](#)

[Bachelor of Science in Education with a Major in Physics](#)

[Physics Minor \(non-teaching\)](#)

[Physics Minor \(teaching\)](#)

[Physics Concentration \(3 options\)](#)

### **BACHELOR OF ARTS WITH A MAJOR IN PHYSICS (128 cr)**

#### **General Education (40 cr)**

Physics majors are required to have a minimum of 16 credits in biology, chemistry, and earth science (with a minimum of 3 credits in each discipline).

Physics majors are required to take the following courses which may also be used to help satisfy General Education requirements:

CHEM 121 and 121L General Chemistry I (5)

CHEM 122 and 122L General Chemistry II (5)

MATH 165 Calculus (4)

#### **Required Courses (39-40 cr)**

PHYS 221 General Physics (5)

PHYS 222 General Physics (5)

PHYS 251 Modern Physics (3)

PHYS 331 Mechanics (4)

PHYS 341 Electricity and Magnetism (4)

PHYS 411 Principles of Physics Measurement (4)

PHYS 421 Quantum Mechanics (4)

Elect from the following (10-11 cr)

PHYS 110 Astronomy (4)

PHYS 321 Optics (3)

PHYS 351 Thermal Physics (3)

#### **Required Support Courses (15 cr)**

MATH 166 Calculus II (4)

MATH 265 Calculus III (4)

MATH 266 Introduction to Differential Equations (3)

SCI 240 Research Methods (2)

SCI 480 Seminar (2)

#### **Second Major/Minor/Concentrations/Electives (37-38 cr)**

### **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN PHYSICS (135-136 cr)**

#### **General Education (42 cr)**

Physics majors are required to take the following courses which may also be used to help satisfy

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

General Education requirements:

MATH 165 Calculus I (4)

Elect from BIOL, CHEM, or GEOL general education courses

(12 credits with a minimum of 4 credits in each discipline)

**Required Courses (36 cr)**

PHYS 221 General Physics I (5)

PHYS 222 General Physics II (5)

PHYS 251 Modern Physics II (3)

PHYS 321 Optics (3)

PHYS 331 Mechanics (4)

PHYS 411 Principles of Physics Measurement (4)

Elect from the following (11 cr)

CHEM 461 Physical Chemistry I (4)

CHEM 462 Physical Chemistry II (4)

MATH 450 Real Analysis (4)

MATH 470 Numerical Analysis (3)

PHYS 110 Astronomy (4)

PHYS 341 Electricity and Magnetism (4)

PHYS 351 Thermal Physics (3)

**Required Support Courses (21-22 cr)**

Elect from BIOL, CHEM, or GEOL (4 cr)

(Choose courses not to be used for general education.)

MATH 166 Calculus II (4)

MATH 265 Calculus III (4)

MATH 266 Introduction to Differential Equations (3)

Elect one from the following (2-3 cr)

CSCI 126 Introduction to FORTRAN (2)

CSCI 160 Data Structures and Algorithms I (3)

SCI 240 Research Methods (2)

SCI 480 Seminar (2)

**Professional Education Sequence (37 cr)**

ED 201 Introduction to Teaching (1)

ED 310 Foundations of Education (3)

ED 320 Curriculum, Planning, and Assessment (3)\*

ED 380 Technology in Teaching (2)\*

ED 460 Managing the Learning Environment (2)\*

ED 470 Teaching Diverse Learners (2)\*

ED 493 Student Teaching (12)\*

SCI 391 Teaching Science in the Secondary School (3)\*

SPED 110 Introduction to Exceptional Children (3)

SS 283 Ethnic and Cultural Diversity in America (3)

Elect one of the following (3 cr)

PSY 255 Child and Adolescent Psychology (3)

PSY 352 Adolescent Psychology (3)

\* Requires admittance to Teacher Education.

**PHYSICS MINOR (NON-TEACHING) (24 cr)**

PHYS 221 General Physics (5)

PHYS 222 General Physics (5)

PHYS 331 Mechanics (4)  
PHYS 421 Quantum Mechanics (4)  
Elect from the following (6 cr)  
PHYS 110 Astronomy (4)  
PHYS 321 Optics (3)  
PHYS 341 Electricity and Magnetism (4)  
PHYS 351 Thermal Physics (3)  
PHYS 411 Principles of Physical Measure (4)

**PHYSICS MINOR (TEACHING) (22 cr)**

PHYS 221 General Physics I (5)  
PHYS 222 General Physics II (5)  
PHYS 331 Mechanics (4)  
PHYS 421 Quantum Mechanics (4)  
Elect from the following (4 cr)  
CHEM 420 Inorganic Chemistry (3)  
CHEM 461 Physical Chemistry (4)  
MATH 266 Differential Equations (3)  
MATH 360 Analysis (4)  
MATH 370 Numerical Analysis (3)  
PHYS 110 Astronomy (4)

**PHYSICS CONCENTRATION (10-12 cr)**

**Option I**

PHYS 110 Astronomy (4)  
PHYS 203 Introduction to Physics I (4)  
PHYS 204 Introduction to Physics II (4)

**Option II**

PHYS 221 General Physics I (5)  
PHYS 222 General Physics II (5)

**Option III**

Elect from any PHYS courses 300 level or above (10)

## Undergraduate Catalog

Colleges & Catalogs  
 Course Descriptions  
 2004-06 Addendum  
 Introduction  
 Degree Offerings  
 Special Programs  
 Academic Information  
 Admissions  
 Advising & Orientation  
 Extended Learning  
 Financial Information  
 Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### **BACHELOR OF SCIENCE WITH A MAJOR IN RADIOLOGIC TECHNOLOGY (144 cr)**

This curriculum is designed for students who wish to complete a full Bachelor's degree at MSU. It requires that the student meet all general education requirements and have a minimum of 60 credits of upper division course work (courses numbered 300 and above). Twenty-six of the 60 credits of upper division course work will be met by completing the clinical study. The remaining 34 upper division credits would be earned through a combination of required and elective courses. Because of the difficulties in scheduling and restrictions for some upper division course work it is anticipated that students following this course of study will spend 5-6 semesters of on-campus study in order to meet the requirements.

Once a student has completed all of the necessary on-campus course work they then enroll for two years of clinical training at any accredited school of radiologic technology. There are five of these schools in North Dakota, one of which is in Minot. These schools are separate from the University, and admission to them is competitive. Admission to clinical training is the sole prerogative of the individual hospital-based program. Admission to Minot State University does not guarantee acceptance into clinical training. Students pursuing the BS degree must enroll at Minot State during the two years of clinical training and pay full tuition and fees each semester. Students who require financial aid from Minot State University during the summer months of clinical training are allowed to register as full-time students. Students receive a minimum of 52 semester credits for clinical training.

Once a student has been accepted into a radiologic technology school, they then apply to the Division of Science for permission to enroll in SCI 405 (Radiologic Technology Clinical Experience). SCI 405 carries the prerequisite of acceptance into the Rad Tech program. Students pursuing this program would, upon successful completion of the program, be granted a BS degree from Minot State. They would also be eligible to take the Radiologic Radiographer's Registry Examination to become certified as a registered radiologic technologist/radiographer. MSU maintains, where feasible, tuition agreements with radiologic technology schools for students pursuing the BS degree.

Transfer students are required to meet all of the MSU residency requirements, the General Education requirements, and to take a minimum of 12 credits of the required course work for the major at MSU. Credits from clinical study cannot be used to meet any of these requirements. No student who is already a registered radiologic technologist/radiographer may be accepted into SCI 405.

### **General Education (38 cr)**

Radiologic Technology majors are required to take the following specific courses which may also be used to help satisfy the General Education requirements.

- MATH 107 Precalculus (4)
- PHYS 203 Introduction to Physics I (4)
- PHYS 204 Introduction to Physics II (4)

PSY 111 Introduction to Psychology (3)

SOC 101 Introduction to Sociology (3)

**Required Courses (35 cr)**

BADM 301 Fundamentals of Management (3)

BADM 303 Personnel Management (3)

BIOL 220 Anatomy and Physiology I (4)

BIOL 221 Anatomy and Physiology II (4)

CHEM 115 and 115L Introductory Chemistry (4)

MATH 240 Applied Statistics (4)

HPER 431 Kinesiology (3)

PHIL 210 Ethics (3)

PSY 270 Abnormal Psychology (3)

SCI 102 Introduction to Radiologic Technology (1)

Elect one from the following (3 cr)

    BOTE 127 Information Processing (3)

    CSCI 101 Introduction to Computing (3)

**Clinical Experience (52 cr)**

4 semesters at 13 credits per semester

**Upper Division Electives (19 cr)**

Any courses numbered 300 or above (other than those required in major).



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Advisor:** Draza Marcovic

The pre-engineering program is designed to prepare students for the junior year of baccalaureate engineering programs. Completion of this program meets general requirements for admission to upper-class standing at the University of North Dakota and the University of Minnesota. Students may also transfer to North Dakota State University (which has no admission to upper-class) and to other institutions. Students may prepare for any engineering discipline including civil, electrical, mechanical, chemical, and others.

- CHEM 121 and 121L General Chemistry I
- ENGL 110 College Composition I
- ENGL 120 College Composition II
- ENGL 344 Professional and Technical Writing
- ENGR 101 Engineering Graphics
- ENGR 201 Statics
- ENGR 202 Dynamics
- MATH 165 Calculus I
- MATH 166 Calculus II
- MATH 265 Calculus III
- MATH 266 Introduction to Differential Equations
- PHYS 221 General Physics I
- PHYS 222 General Physics II
- Elect one from the following
  - CSCI 126 Introduction to FORTRAN (2)
  - CSCI 160 Data Structures and Algorithms I (3)
  - CSCI 124 Introduction to C++ (4)
- Liberal Arts Electives

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
 Course Descriptions  
 2004-06 Addendum

Introduction  
 Degree Offerings  
 Special Programs  
 Academic Information  
 Admissions  
 Advising & Orientation  
 Extended Learning  
 Financial Information  
 Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Faculty:** Patricia A. Fedje; Joan E. Houston; Frank L. Moseley; Jerry M. Stai; Jay L. Wahlund; Karen S. Walz; Carla Cabarle; Dean Frantsvog; Bin Wang

[Bachelor of Science with a Major in Accounting](#)

[Accounting Minor](#)

[Accounting Concentration](#)

[Bachelor of Science with a Major in Finance](#)

[Finance Minor](#)

[Personal Finance Concentration \(for non-business majors\)](#)

[Fraud Examination Minor](#) (link to addendum)

### **BACHELOR OF SCIENCE WITH A MAJOR IN ACCOUNTING (128 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

The accounting major is designed to provide a basic level of expertise in accounting theory and practice. The student can complete additional courses in tax, cost accounting, business law, auditing, not-for-profit accounting, and computer applications. The student may elect courses in anticipation of sitting for various professional examinations in the field of accounting or to provide additional background for a specific career track. Internships are also available to provide practical experience in diverse accounting fields.

ND law requires persons sitting for the CPA professional examination to have completed 150 semester hours, (to include a baccalaureate degree) of college education. Students interested in becoming CPAs should be prepared to extend their programs of study by at least 22 semester hours at the undergraduate or graduate levels to meet this requirement.

### **General Education (38 cr)**

#### **Required Support Courses (19 cr)**

- BOTE 127 Information Processing (3)
- ECON 201 Principles of Microeconomics\* (3)
- ECON 202 Principles of Macroeconomics\* (3)
- ECON-one upper level course (3)
- MATH 146 Applied Calculus \* (3)
- MATH 240 Applied Statistics (4)

\*These courses may be taken as a part of the General Education requirement.

#### **Core Requirements (33 cr)**

- ACCT 200 Elements of Accounting I (3)
- ACCT 201 Elements of Accounting II (3)
- ACCT 300 Legal Environment of Business (3)
- BADM 301 Fundamentals of Management (3)
- BADM 321 Marketing (3)

FIN 353 Corporation Finance (3)  
BADM 416 Production Management (3)  
BADM 465 Strategic Management (3)  
BOTE 247 Spreadsheet Applications (3)  
BIT 318 Business Communication (3)  
BIT 320 Management Information Systems (3)

**Accounting Courses (35 cr)**

ACCT 301 Intermediate Accounting I (3)  
ACCT 302 Intermediate Accounting II (3)  
ACCT 303 Intermediate Accounting III (3)  
ACCT 311 Federal Tax I (3)  
ACCT 326 Cost Accounting I (3)  
ACCT 331 Business Law I (3)  
ACCT 401 Advanced Accounting I (3)  
ACCT 430 Auditing I (3)  
Elect at least 11 credits from the following (11 cr)  
ACCT 312 Federal Tax II (3)  
ACCT 315 Not-For-Profit Accounting (3)  
ACCT 327 Cost Accounting II (3)  
ACCT 330 International Business Law (3)  
ACCT 332 Business Law II (3)  
ACCT 360 Accounting Information Systems (3)  
ACCT 402 Advanced Accounting II (3)  
ACCT 431 Auditing II (3)  
ACCT 497 Internship (2 maximum)  
ACCT 499 Special Topics

**Electives (Non-accounting/business courses recommended) (3-12 cr)**

**ACCOUNTING MINOR (21 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

ACCT 200 Elements of Accounting I (3)  
ACCT 201 Elements of Accounting II (3)  
ACCT 301 Intermediate Accounting I (3)  
ACCT 302 Intermediate Accounting II (3)  
ACCT 321 Managerial Accounting (3)  
Elect two from the following (6 cr)  
ACCT 303 Intermediate Accounting III (3)  
ACCT 311 Federal Tax I (3)  
ACCT 315 Not-For-Profit Accounting (3)

**ACCOUNTING CONCENTRATION (12 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

ACCT 200 Elements of Accounting I (3)  
ACCT 201 Elements of Accounting II (3)  
Elect two from the following (6 cr)  
ACCT 301 Intermediate Accounting I (3)  
ACCT 311 Federal Tax I (3)  
ACCT 315 Not-For-Profit Accounting (3)  
ACCT 321 Managerial Accounting (3)

## **Finance Program Learning Outcomes**

The student shall be able to:

- Use the principles, tools, and techniques for financial decision-making.
- Perform financial analysis and planning.
- Demonstrate knowledge about effective and efficient financial management.
- Explain the investments environment and asset valuation models. Identify short-, intermediate-, and long-term financial alternatives.
- Identify and apply financial management for new ventures and small business.
- Analyze risk and return tradeoffs under uncertainty.

## **BACHELOR OF SCIENCE WITH A MAJOR IN FINANCE (128 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

The finance major prepares students for a wide variety of careers in business and government, including corporate financial management, financial analysis, financial institutions, entrepreneurship, investments, real estate, financial planning, and international business. It provides students with knowledge and decision-making skills for acquiring, investing, and managing capital. The concepts, methods, and techniques equips the students with a thorough understanding of the financial process in order to add value to any organization.

## **General Education (38 cr)**

### **Required Support Courses (13 cr)**

- ECON 201 Prin. of Microeconomics\* (3)
- ECON 202 Prin. of Macroeconomics\* (3)
- MATH 146 Applied Calculus\* (3)
- MATH 240 Applied Statistics (4)

\*These courses can be taken as a part of the General Education requirement.

### **College of Business Professional Core (33 cr)**

- ACCT 200 Elements of Accounting I (3)
- ACCT 201 Elements of Accounting II (3)
- ACCT 300 Legal Environment of Business (3)
- BADM 301 Fundamentals of Management (3)
- BADM 321 Marketing (3)
- FIN 353 Corporation Finance (3)
- BADM 416 Production Management (3)
- BADM 465 Strategic Management (3)
- BOTE 247 Spreadsheet Applications (3)
- BIT 318 Business Communication (3)
- BIT 320 Management Information Systems (3)

### **Additional Business Course Requirements (6 cr)**

- ACCT 321 Managerial Accounting (3)
- BADM 409 International Business (3)

### **Courses required for Finance Major (27 cr)**

- FIN 355 Investments (3)
- FIN 357 Advanced Corporate Finance (3)
- FIN 454 Portfolio Theory (3)
- FIN 455 Financial Institutions and Markets (3)
- FIN 458 Financial Management (3)

Select four courses from the following (12 cr)

- ACCT 301 Intermediate Accounting I (3)
- ACCT 302 Intermediate Accounting II (3)
- ACCT 303 Intermediate Accounting III (3)
- ACCT 311 Federal Tax I (3)
- ACCT 312 Federal Tax II (3)
- BADM 496 Business Consulting (3)
- FIN 360 Entrepreneurial Finance (3)
- FIN 443 Real Estate Finance (3)
- FIN 451 Insurance and Risk Management (3)
- FIN 457 International Corporate Finance (3)
- FIN 497 Internship (3)
- FIN 499 Special Topics\*
- ECON 318 Money and Banking (3)
- ECON 411 Public Finance (3)

\*Requires advisor approval for meeting program requirements.

### **Electives (11 cr)**

#### **FINANCE MINOR (21-23 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

- FIN 353 Corporate Finance (3)
  - FIN 355 Investments (3)
  - FIN 357 Advanced Corporate Finance (3)
  - FIN 455 Financial Institutions & Markets (3)
- Select three courses from the following (9 cr)
- FIN 360 Entrepreneurial Finance (3)
  - FIN 443 Real Estate Finance (3)
  - FIN 451 Insurance and Risk Management (3)
  - FIN 457 International Corporate Finance (3)
  - FIN 458 Financial Management (3)
  - FIN 499 Special Topics
  - ACCT 301 Intermediate Accounting I (4)
  - ACCT 302 Intermediate Accounting II (4)
  - ACCT 303 Intermediate Accounting III (4)
  - ACCT 311 Federal Tax I (3)
  - ACCT 312 Federal Tax II (3)
  - ECON 318 Money and Banking (3)
  - ECON 411 Public Finance (3)

#### **PERSONAL FINANCE CONCENTRATION (for non-business majors) (12 cr)**

- FIN 251 Personal Finance (3)
- FIN 355 Investments (3)
- FIN 443 Real Estate Finance (3)
- FIN 451 Insurance and Risk Management (3)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

[Bachelor of Science with a Major in International Business](#)

[Bachelor of Science with a Major in Management](#)

[Bachelor of Science with a Major in Marketing](#)

[Business Administration Minor \(for non-business majors\)](#)

[Marketing Minor](#)

[Management Minor](#)

[Management Concentration \(for non-business majors\)](#)

[Marketing Concentration \(for non-business majors\)](#)

### **BACHELOR OF SCIENCE WITH A MAJOR IN INTERNATIONAL BUSINESS (128 cr)**

General Education (38 cr)

#### **Required Support Courses**

\*ECON 201 Prin. of Macroeconomics (3)

\*ECON 202 Prin. of Microeconomics (3)

MATH 146 Applied Calculus (3)

MATH 240 Applied Statistics (4)

\*Foreign Language (6)

\*These courses can be taken as a part of the General Education requirement.

#### **College of Business Professional Core (33 cr)**

ACCT 200 Elements of Accounting I (3)

ACCT 201 Elements of Accounting II (3)

ACCT 300 Legal Environment of Business (3)

BADM 301 Fundamentals of Management (3)

BADM 321 Marketing (3)

FIN 353 Corporation Finance (3)

BADM 416 Production Management (3)

BADM 465 Strategic Management (3)

BIT 320 Management Information Systems (3)

BOTE 247 Spreadsheet Applications (3)

BIT 318 Business Communication (3)

#### **B.S.-Business Administration Professional Core (6 cr)**

ACCT 321 Managerial Accounting (3)

BADM 409 International Business (3)

#### **International Business Core and Elective Credits (39 cr)**

POLS 220 International Politics (3)

or GEOG 355 Political Geography

GEOG 161 World Regional Geography (3)

BADM 427 International Marketing (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

BADM 434 Cultural Environment of International Business (3)  
BADM 437 International Management (3)  
FIN 457 International Corporate Finance (3)  
BADM 462 International Business Strategy (3)  
BADM 414 International Economics (3)  
Additional Foreign Language Credits (6)  
(total of 12 foreign language credits required-six  
of which are listed under General Education)  
Select three courses from the following (9 cr)  
Upper level BADM courses (3-9 cr)  
BADM 399 Independent Study (3)  
BADM 497 Internship in IB (3)  
BADM 499 Special Topics in IB (3)  
One of the following area study courses  
GEOG 365 Monsoon Asia (3)  
GEOG 366 Latin America (3)  
GEOG 367 Europe (3)

**Electives (5 cr)**

**BACHELOR OF SCIENCE WITH A MAJOR IN MANAGEMENT (128 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

**General Education (38 cr)**

**Required Support Courses (13 cr)**

ECON 201 Prin. of Microeconomics\* (3)  
ECON 202 Prin. of Macroeconomics\* (3)  
MATH 146 Applied Calculus\* (3)  
MATH 240 Applied Statistics (4)

\*These courses can be taken as a part of the General Education requirement.

**College of Business Professional Core (33 cr)**

ACCT 200 Elements of Accounting I (3)  
ACCT 201 Elements of Accounting II (3)  
ACCT 300 Legal Environment of Business (3)  
BADM 301 Fundamentals of Management (3)  
BADM 321 Marketing (3)  
FIN 353 Corporation Finance (3)  
BADM 416 Production Management (3)  
BADM 465 Strategic Management (3)  
BOTE 247 Spreadsheet Applications (3)  
BIT 318 Business Communication (3)  
BIT 320 Management Information Systems (3)

**B.S.-Business Administration Professional Core (6 cr)**

ACCT 321 Managerial Accounting (3)  
BADM 409 International Business (3)

**Courses required for Management Major (27 cr)**

BADM 303 Human Resource Management (3)  
BADM 401 Entrepreneurship/Small Business Management (3)

BADM 408 Negotiations (3)  
BADM 436 Organizational Behavior Principles and Practices (3)  
Select five courses from the following (15 cr)  
BADM 309 Safety Management (3)  
BADM 329 Marketing Management (3)  
BADM 406 Professional Business Ethics (3)  
BADM 421 Applied Business Research (3)  
BADM 434 Cultural Environment of International Business (3)  
BADM 437 International Management (3)  
FIN 458 Financial Management (3)  
BADM 496 Business Consulting (3)  
BADM 497 Internship (3)  
BADM 499 Special Topics\* (3)  
ECON 315 Labor Economics (3)  
ECON 410 Managerial Economics (3)

\*Requires advisor approval for meeting program requirements.

### **Electives (11 cr)**

### **BACHELOR OF SCIENCE WITH A MAJOR IN MARKETING (128 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

### **General Education (38 cr)**

#### **Required Support Courses (13 cr)**

ECON 201 Prin. of Microeconomics\* (3)  
ECON 202 Prin. of Macroeconomics\* (3)  
MATH 146 Applied Calculus\* (3)  
MATH 240 Applied Statistics (4)

\*These courses can be taken as a part of the General Education requirement.

### **College of Business Professional Core (33 cr)**

ACCT 200 Elements of Accounting I (3)  
ACCT 201 Elements of Accounting II (3)  
ACCT 300 Legal Environment of Business (3)  
BADM 301 Fundamentals of Management (3)  
BADM 321 Marketing (3)  
FIN 353 Corporation Finance (3)  
BADM 416 Production Management (3)  
BADM 465 Strategic Management (3)  
BOTE 247 Spreadsheet Applications (3)  
BIT 318 Business Communication (3)  
BIT 320 Management Information Systems (3)

### **B.S.-Business Administration Professional Core (6 cr)**

ACCT 321 Managerial Accounting (3)  
BADM 409 International Business (3)

### **Courses required for Marketing Major (26-27 cr)**

BADM 324 Integrated Marketing Communications (3)  
BADM 329 Marketing Management (3)  
BADM 421 Applied Business Research (3)

BADM 422 Consumer Behavior (3)  
BADM 424 Logistics and Channel Management (3)  
Select 11-12 credits from the following courses  
ART 112 Computer Graphics (2)  
ART 213 Graphic Design I (2)  
ART 214 Graphic Design II (2)  
ART 322 Graphic Design III (2)  
BADM 322 Professional Selling (3)  
BADM 323 Retailing (3)  
BADM 326 New Product Development (3)  
BADM 327 Services Marketing (3)  
BADM 328 Direct Marketing (3)  
BADM 406 Professional Business Ethics (3)  
BADM 427 International Marketing (3)  
BADM 434 Cultural Environment of International Business (3)  
BADM 460 Internship (3)  
BADM 496 Business Consulting (3)  
BADM 499 Special Topics\* (3)  
ECON 312 Price Theory (3)

\*Requires advisor approval for meeting program requirements.

#### **Electives (11-12 cr)**

#### **BUSINESS ADMINISTRATION MINOR (for non-business majors) (21 cr)**

ACCT 200 Elements of Accounting I (3)  
ACCT 201 Elements of Accounting II (3)  
ACCT 300 Legal Environment of Business (3)  
BADM 301 Fundamentals of Management (3)  
BADM 321 Marketing (3)  
Elect any combination of 6 credits from 200-400 level BADM courses (6)

#### **MARKETING MINOR (21 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

BADM 321 Marketing (3)  
BADM 322 Professional Selling (3)  
BADM 323 Retailing (3)  
BADM 324 Integrated Marketing Communications (3)  
BADM 422 Consumer Behavior (3)  
Select two courses from the following (6 cr)  
BADM 421 Applied Business Research (3)  
BADM 427 International Marketing (3)  
BADM 499 Special topics course approved by Business Advisor (3)

#### **MANAGEMENT MINOR (21 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

BADM 301 Fundamentals of Management (3)  
BADM 303 Human Resources Management (3)  
BADM 408 Negotiations (3)  
BADM 436 Organizational Behavior Principles and Practices (3)  
Select three courses from the following (9 cr)  
BADM 309 Safety Management (3)  
BADM 401 Entrepreneurship/Small Business Management (3)

BADM 406 Professional Business Ethics (3)  
BADM 416 Production Management (3)  
BADM 434 Cultural Environment of International Business (3)  
BADM 437 International Management (3)  
BADM 465 Strategic Management (3)  
BADM 499 Special topics course approved by Business Advisor (3)  
BIT 320 Management Information Systems (3)

**MANAGEMENT CONCENTRATION (for non-business majors) (12 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

BADM 301 Fundamentals of Management (3)  
BADM 303 Human Resource Management (3)  
Select two courses from the following (6 cr)  
BADM 205 Supervisory Management (3)  
BADM 309 Safety Management (3)  
BADM 401 Entrepreneurship/Small Business Management (3)  
BADM 406 Professional Business Ethics (3)  
BADM 408 Negotiations (3)  
BADM 434 Cultural Environment of International Business (3)  
BADM 436 Organizational Behavior Principles and Practices (3)  
BADM 437 International Management (3)  
BADM 499 Special Topics (3)

**MARKETING CONCENTRATION (for non-business majors) (12 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

BADM 321 Marketing (3)  
BADM 323 Retail Store Management (3)  
Select two courses from the following (6 cr)  
BADM 322 Professional Selling (3)  
BADM 324 Integrated Marketing Communications (3)  
BADM 326 New Product Development (3)  
BADM 327 Services Marketing (3)  
BADM 328 Direct Marketing (3)  
BADM 421 Applied Business Research (3)  
BADM 422 Consumer Behavior (3)  
BADM 499 Special Topics (3)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

[Bachelor of Science in Education with a Major in Business Education  
Business Education Minor](#)

[Bachelor of Science with a Major in Management Information Systems](#)

[Bachelor of Applied Science with a Major in Business Information Technology](#)

[Bachelor of Science in Virtual Business](#) (link to addendum)

[Management Information Systems Minor](#)

[Information Processing Concentration](#)

[Office Services Concentration](#)

[Certificate Program in Application Software Specialist](#)

[Certificate Program in Desktop and Web Publishing](#)

### **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN BUSINESS EDUCATION (128 cr) General Education (38 cr)**

#### **Required Business Core (47 cr)**

- ACCT 200 Elements of Accounting I (3)
- ACCT 201 Elements of Accounting II (3)
- ACCT 300 Legal Environment of Business (3)
- BADM 120 Fundamentals of Business (3)
- BOTE 152 Keyboarding II (3) (online only)
- BOTE 247 Spreadsheet Applications (3)
- BIT 154 Word Processing & Presentation Software (3)
- BIT 235 Introduction to Website Design (3)
- BIT 236 Desktop Publishing and Design (3)
- BIT 318 Business Communication (3)
- BIT 320 Management Information Systems (3)
- BIT 342 Advanced Web Site Design (3)
- BIT 385 Technology Management (3)
- BIT 421 Philosophy of Vocational Education (3)
- BIT 423 Coordinating Techniques (2)

#### **Professional Education Sequence (41 cr)**

- ED 201 Introduction to Teaching (1)
- ED 310 Foundations of Education (3)
- ED 320 Curriculum, Planning and Assessment (3)
- ED 380 Technology in Teaching\* (2)
- ED 460 Managing the Learning Environment\* (2)
- ED 470 Teaching Diverse Learners\* (2)
- ED 493 Student Teaching, Secondary (16)
- PSY 255 Child and Adolescent Psychology (3) OR
- PSY 352 Adolescent Psychology (3)
- SS 283 The Ethnic Experience in America (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

- SPED 110 Intro to Exceptional Children (3)
- BIT 391 Methods of Teaching Business\* (3)
- \* Requires admission to Teacher Education.

### **Electives (2 cr)**

### **BUSINESS EDUCATION MINOR**

A business education minor is only available to students seeking or holding a major in another education area.

#### **Option I: (Business Education) (27 cr)**

- ACCT 200 Elements of Accounting I (3)
- BADM 120 Fundamentals of Business (3)
- BOTE 152 Keyboarding (3)
- BIT 236 Desktop Publishing and Design (3)
- BOTE 318 Business Communication (3)
- BIT 385 Technology Management (3)
- BIT 391 Methods of Teaching Business (3)
- Select two from the following (3 cr)
  - ACCT 201 Elements of Accounting II
  - BIT 154 Word Processing & Presentation Software (3)
  - BOTE 247 Spreadsheet Applications
  - BIT 235 Introduction to Web Site Design
  - BIT 320 Management Information Systems

#### **Option II: (Technology for Secondary Teachers) (24 cr)**

- BIT 154 Word Processing & Presentation Software (3)
- BOTE 247 Spreadsheet Applications (3)
- BIT 235 Introduction to Web Site Design (3)
- BIT 236 Desktop Publishing and Design (3)
- BIT 385 Technology Management (3)
- BIT 391 Methods of Teaching Business (3)
- Select two from the following (3 cr)
  - BIT 312 Database Theory and Application (3)
  - BIT 320 Management Information Systems (3)
  - BIT 342 Advanced Web Site Design (3)
  - BIT 356 Business Data Communication (3)

### **BACHELOR OF SCIENCE WITH A MAJOR IN MANAGEMENT INFORMATION SYSTEMS (128 cr)**

» [New students as of Fall 2005 must follow the new program curriculum, click here to view.](#) «

This program is designed to provide students knowledge and skills to work as systems analysts, application programmers, information managers, information center managers, and trainers in business information systems. Entire major also offered online.

### **General Education (38 cr)**

#### **Required Support Courses (13 cr)**

- ECON 201 Principles of Microeconomics\* (3)
- ECON 202 Principles of Macroeconomics\* (3)
- MATH 146 Applied Calculus\* (3)

MATH 240 Applied Statistics (4)

\* These courses may be taken as part of the General Education requirement.

**College of Business Professional Core (33 cr)**

ACCT 200 Elements of Accounting I (3)  
ACCT 201 Elements of Accounting II (3)  
ACCT 300 Legal Environment of Business (3)  
BADM 301 Fundamentals of Management (3)  
BADM 321 Marketing (3)  
FIN 353 Corporation Finance (3)  
BADM 416 Production Management (3)  
BADM 465 Strategic Management (3)  
BOTE 247 Spreadsheet Applications (3)  
BIT 318 Business Communication (3)  
BIT 320 Management Information Systems (3)

**MIS Courses for Major (48-49 cr)**

BOTE 127 Information Processing (3)  
BIT 235 Introduction to Web Site Design (3)  
CSCI 120 Computer Programming I (3)  
BIT 236 Desktop Publishing and Design (3)  
BIT 312 Database Theory and Application (3)  
BIT 342 Advanced Web Site Design (3)  
BIT 356 Business Data Communications (3)  
BIT 358 Networking for Managers (3)  
BIT 370 E-Commerce Technology (3)  
BIT 385 Technology Management (3)  
BIT 452 Database Program Development (3)  
BIT 453 Systems Analysis (3)  
BIT 454 Systems Design (3)  
BIT 460 Current and Emerging Issues in MIS (3)  
BIT 470 Projects in MIS (3)  
Select one (3-4 cr)  
    BIT 333 COBOL Programming (3)  
    CSCI 122 Visual Basic (4)  
    CSCI 124 Introduction to C++ (4)

**Electives (0-5 cr)**

**BACHELOR OF APPLIED SCIENCE WITH A MAJOR IN BUSINESS INFORMATION TECHNOLOGY (128 cr)**

**General Education (38 cr)**

Can be completed at either MSU or other institute

**Required Courses (12 cr)**

ECON 201 Principles of Microeconomics (3)  
ECON 202 Principles of Macroeconomics (3)  
ACCT 200 Elements of Accounting (3)

**BAS Courses for Major (42 cr)**

- BADM 301 Fundamentals of Management (3)
- BOTE 247 Spreadsheet Applications (3)
- BIT 318 Business Communications (3)
- BIT 235 Introduction to Web Site Design (3)
- BIT 312 Database Theory and Application (3)
- BIT 320 Management Information Systems (3)
- BIT 370 E-Commerce Technology (3)
- BIT 356 Business Data Communications (3)
- BIT 385 Technology Management (3)
- Choose on of the following sets (6 cr)
  - BIT 333 COBOL Programming (3)
  - CSCI 120 Computer Programming I (3)
  - or
  - BADM 321 Marketing (3)
  - BIT 342 Advanced Web Site Design (3)
  - or
  - BIT 453 Systems Analysis (3)
  - BIT 454 Systems Design (3)
- BIT 497 Internship 3-9 cr / Elective 0-6 cr

(Internship credits and experience customized to fit the need of each student. Students may elect a combination of internship hours and additional courses from the elective list for a total of 9 semester hours to be approved by the advisor.)

**MANAGEMENT INFORMATION SYSTEMS MINOR (21 cr)**

Entire minor also offered online.

- BIT 236 Desktop Publishing and Design (3)
- BOTE 247 Spreadsheet Applications (3)
- BIT 235 Introduction to Web Site Design (3)
- BIT 312 Database Theory and Application (3)
- BIT 320 Management Information Systems (3)
- BIT 356 Business Data Communications (3)
- BIT 385 Technology Management (3)

**INFORMATION PROCESSING CONCENTRATION (12 cr)**

- Elect four courses from the following (12 cr)
- BOTE 127 Information Processing (3)
  - BOTE 147 Word Processing (3) (online only)
  - BIT 236 Desktop Publishing and Design (3)
  - BOTE 247 Spreadsheet Applications (3)
  - BIT 312 Database Theory and Application (3)

**OFFICE SERVICES CONCENTRATION (10-12 cr)**

Elect 10-12 credits from BOTE or BIT courses.

**CERTIFICATE PROGRAM IN APPLICATION SOFTWARE SPECIALIST (18 cr)**

Non-degree program designed for students seeking software application expertise. Courses apply toward Bachelor of Science in MIS major. All courses also offered through MSU online.

- BOTE 127 Information Processing (3)
- BOTE 147 Word Processing (3) (online only)
- BOTE 247 Spreadsheet Application (3)
- BIT 235 Introduction to Web Site Design (3)

BIT 236 Desktop Publishing and Design (3)

BIT 312 Database Theory and Application (3)

**CERTIFICATE PROGRAM IN DESKTOP AND WEB PUBLISHING (18 cr)**

Non-degree program designed for students seeking courses involving web site design. Courses apply toward Bachelor of Science in MIS major. All courses also offered through MSU Online.

BOTE 127 Information Processing (3)

BIT 235 Introduction to Web Site Design (3)

BIT 236 Desktop Publishing and Design (3)

BIT 342 Advanced Web Site Design (3)

BIT 370 E-Commerce Technology (3)

CSCI 120 Computer Programming I

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Chair:** Donald Burke

[Addiction Studies Information](#)

[Bachelor of Science with a Major in Addiction Studies](#)

[Addiction Studies Minor](#)

[Addiction Studies Concentration](#)

### **Addiction Studies**

Addiction Studies Faculty: Vicki Michels, Program Director; Shirley Cole-Harding

### **Mission**

To prepare students for licensure as an addiction counselor within the state of North Dakota.

### **Goals**

- The student will gain an understanding of the dynamics of addiction.
- The student will understand the counseling process in addiction and other human problems.
- The student will have an understanding of scientific inquiry and critical thinking applied to the addiction field.

### **Program Outcomes**

1. To prepare students for licensure in addiction counseling.
2. To provide students with the skills necessary for independent practice.

### **Addiction Studies**

Admission Requirements

1. A 2.5 grade point average.
2. Passed PSY 297 (practicum).
3. Been accepted after submitting a written statement discussing why the student wants to go into addiction studies.

### **BACHELOR OF SCIENCE WITH A MAJOR IN ADDICTION STUDIES (128 cr)**

Credits applied to the addiction studies major/minor/concentration may not be applied to the psychology major/minor/concentration.

### **General Education (38 cr)**

### **Required Core (69 cr)**

- PSY 201 Dynamics of Adjustive Behavior and Mental Health (3)  
PSY 241 Introduction to Statistics (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

PSY 252 Child Psychology (3)  
PSY 270 Abnormal Psychology (3)  
PSY 297 Practicum (2)  
PSY 338 Professional Relations and Ethics (3)  
PSY 344 Dynamics of Addiction (3)  
PSY 349 Psychopharmacology (3)  
PSY 352 Adolescent Psychology (3)  
PSY 379 Psychology of Adult and Aging (3)  
PSY 411 Introduction to Personality Theories (3)  
PSY 413 Theories and Practice of Psychotherapy (3)  
PSY 420 Family Dynamics (3)  
PSY 423 Introduction to Counseling (3)  
PSY 424 Advanced Counseling (3)  
PSY 476 Group Dynamics (3)  
SOC 201 Social Problems (3)  
SOC 255 Changing American Family (3)  
SS 283 The Ethnic Experience in America (3)  
HMS 203 Health Care Through the Life Span (3)  
ENGL 315 Professional and Technical Writing (3)  
BIOL 115 Human Structure and Function (4)  
BOTE 127 Information Processing (3)

Nine month clinical experience is required for North Dakota licensure.

#### **ADDICTION STUDIES MINOR (24 cr)**

Credits applied to the addiction studies minor may not be applied to the psychology major/minor/concentration.

PSY 338 Professional Relations and Ethics (3)  
PSY 344 Dynamics of Addiction (3)  
PSY 349 Psychopharmacology (3)  
PSY 411 Introduction to Personality Theories (3)  
PSY 413 Theories and Practice of Psychotherapy (3)  
PSY 420 Family Dynamics (3)  
PSY 423 Introduction to Counseling (3)  
PSY 424 Advanced Counseling (3)

#### **ADDICTION STUDIES CONCENTRATION (12 cr)**

Credits applied to the addiction studies concentration may not be applied to the psychology major/minor/concentration.

PSY 201 Dynamics of Adjustive Behavior and Mental Health (3)  
PSY 338 Professional Relations and Ethics (3)  
PSY 344 Dynamics of Addiction (3)  
PSY 349 Psychopharmacology (3)



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## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

Psychology Faculty: Donald Burke, Program Director; Rita Curl; Paul Markel

[Bachelor of Arts with a Major in Psychology](#)

[Bachelor of Science in Education with a Major in Psychology](#)

[Psychology Minor](#)

[Psychology Concentration](#)

### Mission

To foster the study of human behavior through the development of scientific skills.

### Goals

- The student will gain an appreciation of the complexity of human behavior.
- The student will develop critical thinking.
- The student will have an understanding of psychology that reflects cultural diversity.
- The student will have an understanding of the scientific methodology utilized to study human behavior.

### Program Outcomes

1. To provide a program of study that leads to a major in psychology.
2. To provide a sound preparation for graduate study in psychology and other related areas.
3. To provide an academic background in the many specialties of psychology and to show the close relationships with the biological sciences and the social sciences.

### BACHELOR OF ARTS WITH A MAJOR IN PSYCHOLOGY (128 cr)

Credits applied to the psychology major may not be applied to the addiction studies major/minor/concentration.

### General Education (38 cr)

#### Required Psychology Core (29-30 cr)

PSY 241 Introduction to Statistics (3)

PSY 242 Research Methods in Psychology (3)

PSY 375 History and Systems of Psychology (3)

Elect one of the following (2-3 cr)

PSY 490 Senior Research Paper (3)

PSY 491 Senior Seminar in Psychology (2)

Elect two from the following (6 cr)

PSY 270 Abnormal Psychology (3)

PSY 376 Social Psychology (3)

PSY 411 Introduction to Personality Theories (3)

Elect one of the following (3 cr)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

PSY 349 Psychopharmacology (3)  
PSY 365 Evolutionary Psychology (3)  
PSY 460 Sensation and Perception (3)  
PSY 465 Physiological Psychology (3)  
Elect one of the following (3 cr)  
PSY 252 Child Psychology (3)  
PSY 352 Adolescent Psychology (3)  
PSY 379 Psychology of Adult and Aging (3)  
Elect one of the following (3 cr)  
PSY 410 Cognitive Psychology (3)  
PSY 435 Theories of Learning (3)  
PSY 460 Sensation and Perception (3)  
Elect one of the following (3 cr)  
PSY 313 Industrial Organizational Psychology (3)  
PSY 413 Theories and Practice of Psychotherapy (3)  
PSY 420 Family Dynamics (3)  
PSY 423 Introduction to Counseling (3)  
PSY 424 Advanced Counseling (3)  
PSY 473 Behavior Modification (3)

**Additional PSY electives (6 cr) (any 200-400 level courses are acceptable)**

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN PSYCHOLOGY (128 cr)**

Credits applied to the psychology major may not be applied to the addiction studies major/minor/concentration.

**General Education (38 cr)**

**Required Psychology Core (29-30 cr)**

PSY 241 Introduction to Statistics (3)  
PSY 242 Research Methods in Psychology (3)  
PSY 375 History and Systems of Psychology (3)  
Elect one of the following (2-3 cr)  
PSY 490 Senior Research Paper (3)  
PSY 491 Senior Seminar in Psychology (2)  
Elect two from the following (6 cr)  
PSY 270 Abnormal Psychology (3)  
PSY 376 Social Psychology (3)  
PSY 411 Introduction to Personality Theories (3)  
Elect one of the following (3 cr)  
PSY 349 Psychopharmacology (3)  
PSY 365 Evolutionary Psychology (3)  
PSY 460 Sensation and Perception (3)  
PSY 465 Physiological Psychology (3)  
Elect one of the following (3 cr)  
PSY 252 Child Psychology (3)  
PSY 352 Adolescent Psychology (3)  
PSY 379 Psychology of Adult and Aging (3)  
Elect one of the following (3 cr)  
PSY 410 Cognitive Psychology (3)  
PSY 435 Theories of Learning (3)  
PSY 460 Sensation and Perception (3)

Elect one of the following (3 cr)

- PSY 313 Industrial Organizational Psychology (3)
- PSY 413 Theories and Practice of Psychotherapy (3)
- PSY 420 Family Dynamics (3)
- PSY 423 Introduction to Counseling (3)
- PSY 424 Advanced Counseling (3)
- PSY 473 Behavior Modification (3)

**Additional PSY electives (6 cr) (any 200-400 level courses are acceptable)**

**Professional Education Sequence (34-38 cr)**

SPED 110 Introduction to Exceptional Children (3)

Elect one of the following (3 cr)

- PSY 255 Child and Adolescent Psychology (3)
- PSY 352 Adolescent Psychology (3)
- SS 283 Ethnic and Cultural Diversity in America (3)
- SS 391 Social Science Methods in Micro Teaching (3)
- ED 201 Introduction to Teaching (1)
- ED 310 Foundations of Education (3)
- ED 320 Curriculum, Planning, and Assessment\* (3)
- ED 380 Technology in Teaching\* (2)
- ED 460 Managing The Learning Environment\* (2)
- ED 470 Teaching Diverse Learners\* (2)
- ED 491, 492, 493, 494, 495 Student Teaching\* (12-16)

\* Requires admission to Teacher Education.

**Electives (11-16 cr)**

**PSYCHOLOGY MINOR (24 cr)**

Credits applied to the psychology minor may not be applied to the addictions studies major/minor/concentration. PSY 297, 485, and 486 may not be applied to the psychology minor. PSY 460 can only be used in one of these sections.

PSY 270 Abnormal Psychology (3)

PSY 375 History and Systems of Psychology (3)

Elect one of the following (Biopsychology Section) (3 cr)

- PSY 349 Psychopharmacology (3)
- PSY 365 Evolutionary Psychology (3)
- PSY 460 Sensation and Perception (3)
- PSY 465 Physiological Psychology (3)

Elect one of the following (Learning Section) (3 cr)

- PSY 410 Cognitive Psychology (3)
- PSY 435 Theories of Learning (3)
- PSY 460 Sensation and Perception (3)

Elect one of the following (Development Section) (3 cr)

- PSY 252 Child Psychology (2)
- PSY 352 Adolescent Psychology (3)
- PSY 379 Psychology of Adult and Aging (3)

Additional PSY electives (9 cr)

(any 200-400 level courses are acceptable)

**PSYCHOLOGY CONCENTRATION (12 cr)**

Credits applied to the psychology concentration may not be applied to the addictions studies major/

minor/concentration. PSY 297, 485, and 486 may not be applied to the psychology minor.

Elect courses to total twelve semester hours all of which must be at the 200-400 level.

Modified: June 1, 2006

[CampusConnection](#)

[Privacy Policy](#)

[CONTACT US](#)

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Faculty:** Charlene Bruley, Program Coordinator; Debra Dewitz; Ruth Kihm

### [Social Work Information](#)

### [Bachelor of Social Work](#)

The Social Work Program is accredited at the baccalaureate level by the Council on Social Work Education. The Program does not give academic credit for life experience or work experience, or allow such experience to be substituted for the field practicum or the required core courses.

Students must receive a "C" or better in all social work courses.

The Program is organized and implemented without discrimination on the basis of race, color, gender, age, creed, ethnic or national origin, handicap, or political or sexual orientation.

### **Mission**

The Social Work Program at Minot State University, through its teaching, scholarship and public service, prepares students for beginning generalist social work practice. The program prepares students to meet the human service needs of the region, in particular, the needs of vulnerable populations within the rural and Native American communities.

### **Goals**

- Provide content about social work practice with client systems of various sizes and types.
- Prepare graduates to practice with diverse populations.
- Provide content about the social contexts of social work practice, the changing nature of those contexts, the behavior of organizations, and the dynamics of change.
- Infuse throughout the curriculum the values and ethics that guide professional social workers in their practice.
- Prepare graduates who are aware of their responsibility to continue their professional growth and development.
- Prepare the student for beginning generalist practice in the northern Great Plains.
- The baccalaureate curriculum is based upon the liberal arts perspective and includes the professional foundation.
- The baccalaureate curriculum was developed and organized as a coherent and integrated whole.

### **Admission Requirements**

Minimum technical standards for admission into the Social Work Program are:

1. ability to communicate in such a manner as to facilitate a helping relationship in the delivery of services.
2. mobility sufficient to perform essential work-related activities.
3. personal resources (psychological, social and intellectual) that facilitate the use of self in a helping manner in a social work setting.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

Students are required to make application for admission to the social work program. Criteria for admission are as follows:

1. Successful completion of three social work courses, SWK 256, Development of Social Welfare, SWK 255, Social Work Profession, and SWK 200, Interpersonal Skills—or their equivalent (as approved by the social work faculty) with a grade of “C” or better. The combined GPA for these three courses must be at least 2.50.
2. Attainment of Cumulative GPA of 2.00 or better.
3. Completion of ENGL 110, College Composition I, ENGL 120, College Composition II, BIOL 115, Human Structure and Function, SOC 101, Introduction to Sociology, PSY 111, Introduction to Psychology, ECON 201, Principles of Microeconomics or ECON 202 Principles of Macroeconomics, and POLS 115, American Government.
4. Evidence of at least 50 hours recent volunteer or paid work experience in a community service agency. Students may meet this requirement through SWK 200, Interpersonal Skills, at Minot State University which includes a volunteer experience as part of the course expectations. Transfer students without this experience must contact the SWK 200 instructor.
5. Social Work students must agree to read and abide by the Social Work Code of Ethics and MSU Student Code of Conduct.

Admission to the Social Work Program occurs twice each academic year. Acceptance into the program is currently based upon the applicant’s GPA, written application, personal interview, community service experience, and other personal qualifications.

Once a student has been accepted into the program, the acceptance will expire if the student is not enrolled in any social work courses within five consecutive semesters or at the discretion of the program. This is not including the field practicum. The discretion of the program in evaluating whether the student can continue with his/her social work courses will be the responsibility of the Academic Affairs Committee.

Social Work majors must achieve an overall GPA of 2.00 and a grade of “C” or better in all required social work foundation courses in which, there are enrolled prior to enrolling in SWK 432, Field Experience.

The undergraduate social work program is accredited by the Council on Social Work Education (CSWE). Graduates of this program are eligible for regular membership in the National Association of Social Workers and may also be eligible for advanced standings in many graduate social work programs. The program leads to the Bachelor of Social Work (BSW) degree.

## **BACHELOR OF SOCIAL WORK (128 cr)**

### **General Education (38 cr)**

Social Work majors are required to take the following specific courses:

- PHIL 101 or 102 (3)
- SOC 101 Introduction to Sociology (3)
- PSY 111 Introduction to Psychology (3)
- BIOL 115 Human Structure and Function (4)

### **Required Core (41 cr)**

- SWK 200 Interpersonal Skills (3)
- SWK 255 Social Work Profession (3)
- SWK 256 Development of Social Welfare (3)
- SWK 330 Behavior in Pluralistic Society I (3)
- SWK 331 Behavior in Pluralistic Society II (3)
- SWK 335 Social Work Methods I (3)

SWK 340 Social Welfare Policy (3)  
SWK 426 Social Work Methods II (3)  
SWK 427 Social Work Methods III (3)  
SWK 432 Field Experience (10)  
SWK 433 Field Seminar (1)  
SWK 434 Field Research (1)  
SWK 491 Senior Seminar (2)

**Required Support Courses (33 cr)**

ENGL 315 Professional and Technical Writing (3)  
GEOG 263 North Dakota (3)  
HMS 203 Health Care Through the Life Span (3)  
POLS 115 American Government (3)  
POLS 116 State and Local Government (3)  
PSY 241 Introduction to Statistics (3)  
PSY 270 Abnormal Psychology (3)  
SWK 401 Cont Issue: NA Families (3)

Select one of the following (3 cr)

PSY 242 Research Methods in Psychology (3)  
SOC 278 Social Research Methods (3)

Select one of the following (3 cr)

ECON 201 Principles of Microeconomics (3)  
ECON 202 Principles of Macroeconomics (3)

Select one of the following (2-3 cr)

SOC 361 Comparative Ethnic Studies (3)  
SS 283 Ethnic and Cultural Diversity in America (3)

**Electives (16 cr)**



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

[Communication Disorders Information](#)

[Bachelor of Science with a Major in Communication Disorders](#)

[Bachelor of Science in Education with Majors in Communication Disorders and Elementary Certification](#)

[Bachelor of Science in Education with a Major in Communication Disorders-Secondary Certification](#)

The area of Communication Disorders trains students for the professions of Audiology and Speech-Language Pathology. The undergraduate degree in Communication Disorders is preparatory for either the master's degree in Audiology or Speech-Language Pathology. The graduate program in Communication Disorders is accredited in Speech-Language Pathology and Audiology by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). All of the faculty in the area of Communication Disorders hold the Certificate of Clinical Competence, in their respective areas, from the American Speech-Language-Hearing Association. Faculty are also licensed to practice Speech-Language-Pathology and/or Audiology by the North Dakota Board of Examiners in Speech-Language Pathology and Audiology.

### Program Goals

To provide prerequisite training to prepare students to enter a master's degree program in Communication Disorders with emphasis in Audiology or Speech-Language Pathology. The curriculum will provide students with:

1. An understanding of normal speech, language, hearing, and communication development and usage.
2. Theoretical foundations and basic skills in diagnostic and therapy methodologies.
3. Information on multicultural, ethnic and social issues relevant to the study and understanding of these factors in relation to Audiology and Speech-Language Pathology.
4. Information in the basic sciences and in areas of normal development issues to complement the study of hearing, speech, language development and disorders and to ensure students' understanding of development across the life span.

### Program Outcomes

1. The student will maintain academic and clinical progress toward graduation.
2. Students will evaluate the contents of a course and provide feedback.
3. Students will demonstrate appropriate clinical skills in clinical practicum.
4. Student will academically and clinically be prepared for graduate study.
5. Students will meet all standards to apply to a graduate program in speech pathology or audiology.

### University Teacher Education Policies

Refer to the [Department of Teacher Education and Human Performance section](#) for details regarding Teacher Education at Minot State. These pages will explain the admission, retention and exit requirements of the program.

### Retention

Students may obtain a B.S. or B.S.E. degree with a major in Communication Disorders. Retention policies pertain to all majors in Communication Disorders. Criteria for retention in the undergraduate degree program follow:

1. Students seeking ND Dept. of Public Instruction Certification are required to take the PPST. Students who obtain the B.S.E. must meet all requirements for admittance to Teacher Education.
2. Majors may receive no grade lower than a "C" in any of their CD courses. Should a student earn a grade of "D" or "F," he/she may not enroll in further Communication Disorders coursework until the "D" or "F" has been raised to a "C" or higher and all other retention criteria have been met.
3. Students must maintain a 2.75 GPA to remain in the major. After completion of CD 310, 320, 341 students will have one semester of probation during which the 2.75 GPA in their major must be met or the student will not be retained as a Communication Disorders major. For postbaccalaureate students or transfer students at the junior or senior level, a 2.75 in the major must be maintained after the first 15 credits in CD course work. If students choose to use transferred credits for Communication Disorders courses, the transferred grades will be used in the same manner as the initial coursework from Minot State University in computing GPA for retention purposes.
4. The student must have a cumulative GPA of at least 2.75 to graduate with a degree in Communication Disorders.
5. Consistent with University policy, students may not repeat a course in which they received a grade of "C" without specific permission from the Department.
6. Majors must complete the General Education Communications requirements with a minimum grade point average of 2.50, with no grade lower than a "C."
7. Majors must demonstrate adequate speech and hearing or show evidence each term from the Department of Communication Disorders and Special Education that progress in the required remediation is being made.
8. When there is supported evidence of cheating on examinations or other course assignments, the student will receive a failing grade for the course and will not be retained in the major.
9. Students who perform in an unprofessional or inappropriate manner in the performance of clinical responsibilities or in dealing with confidential information may receive disciplinary action in the form of grade reduction or dismissed from the program. Other action consistent with the university honesty policy and/or course syllabi may be taken.
10. Students are required to enroll in a practicum or related class to receive credit for clinical practice hours, including observation hours.

### **Public School Certification**

Certification in Speech-Language Pathology may be obtained upon completion of either the B.S. or B.S.E. degrees in Communication Disorders plus completion of the master's degree and appropriate public school clinical work at the graduate level.

### **BACHELOR OF SCIENCE WITH A MAJOR IN COMMUNICATION DISORDERS (128 cr)**

A B.S. degree is awarded upon satisfactory completion of the requirements listed below:

#### **General Education (38 cr)**

##### **I. Basic Science Core**

BIOL 115 Human Structure and Function (4)

PHYS 105 Physical Science by Inquiry (4)

##### **II. CD Core (40 cr)**

CD 310 Intro to SLP (3)

CD 320 Intro to Phonetics (3)

CD 321 Language Development (3)

CD 322 Intro to Artic-Phono Dis (3)

CD 324 Techniques in SLP (3)

CD 331 Language Disorders (3)  
CD 341 Speech & Hearing Sci (2)  
CD 342 Intro to Audiology (4)  
CD 420 Advanced Comm Dis (3)  
CD 411 Clinical Practicum (2)  
CD 411 Clinical Practicum (2)  
CD 412 Anat, Neuro & Phys (4)  
CD 427 Aural Rehab (3)  
CD 430 Public School Methods (2)

### **III. Additional Required Courses (30-32 cr)**

Statistics (3-4)  
SS 283 The Ethnic Experience in America (3)  
ED 310 Foundations of Education (3)  
ED 380 Technology in Teaching (2)  
PSY 252 Human Devel: Child (3)  
PSY 352 Human Devel: Adolescent (3)  
PSY 410 Cognitive Psychology (3)  
PSY 423 Intro to Counseling (2)  
SPED 113 or 117 Sign Language (3/2)  
SPED 410 Intro to LD (3)  
SPED 110 Intro to Exceptional Child (3)

### **IV. Psychology Component (5-6 cr)**

Select two of the following:

PSY 201 Dynamics of Adjustive Behavior (3)  
PSY 270 Abnormal Psychology (3)  
PSY 349 Psychopharmacology (3)  
PSY 376 Social Psychology (3)  
PSY 473 Behavior Modification (3) or  
SOC 376 Social Psychology (3)  
SPED 221 Techniques of Behavior Management (2)

### **V. Aging Component (3 cr)**

Select one of the following:

PSY 379 Psychology of Aging (3)  
HMS 279 Death and Dying (3)  
SOC 379 Sociology of Aging (3)

### **Program Total (78-81 cr)**

#### **BACHELOR OF SCIENCE IN EDUCATION WITH MAJORS IN COMMUNICATION DISORDERS AND ELEMENTARY CERTIFICATION**

The B.S.E. degree with elementary certification is a double major in Communication Disorders and Elementary Education. It requires all of the Communication Disorders requirements in the Bachelor of Science with a major in Communication Disorders as well as all courses required for the Bachelor of Science in Education with a major in Elementary Education.

#### **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN COMMUNICATION DISORDERS-SECONDARY CERTIFICATION**

A student must complete all work outlined under the Bachelor of Science requirements with a

major in Communication Disorders, as well as a second major which can be taught at the secondary level and the corresponding teacher education professional requirements.

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[CampusConnection](#)

[Privacy Policy](#)

[CONTACT US](#)



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## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

### [Special Education Information](#)

#### [Bachelor of Science in Education with a Major in Education of the Deaf](#)

[taken in conjunction with the Elementary Education Major](#)

#### [Bachelor of Science in Education with a Major in Mental Retardation](#)

[taken in Conjunction with an Elementary Education Major](#)

#### [Bachelor of Science in Education with a Major in Mental Retardation](#)

[taken in Conjunction with a Secondary Teaching Content Area](#)

#### [Bachelor of Science with a Major in Developmental Disabilities \(non-teaching\)](#)

#### [Special Education Concentration](#)

#### [Associate of Science Degree in Developmental Disabilities](#)

#### [Certificate of Completion in Developmental Disabilities](#)

### Program Goals

1. To prepare professional personnel to teach children and adults with hearing impairments and other developmental disabilities.
2. To render community service to children and adults with disabilities through testing, clinical programs, and consultations.
3. To assist teachers, administrators, and parents in their understanding of and coping with individuals having special needs.

### Program Outcomes

1. Students will describe the philosophical, historical and legal foundations of special education.
2. Students will describe the characteristics of learners with and without disabilities.
3. Students will demonstrate appropriate assessment, diagnosis and evaluation procedures and strategies for individuals with disabilities.
4. Students will use appropriate instructional content and practices for individuals with disabilities.
5. Students will plan and manage the teaching and learning environment for individuals with disabilities.
6. Students will manage learner behavior and social interactions.
7. Students will engage in and facilitate appropriate communication and collaborative partnerships.
8. Students will demonstrate professional and ethical practices.

### University Teacher Education Policies

Refer to the Department of Teacher Education and Human Performance section for details regarding Teacher Education at Minot State. These pages will explain the admission, retention and exit requirements of the program.

### Additional Teacher Education Requirements

Refer to the University-wide Teacher Education Policies listed above. In addition to these policies, majors in special education must earn a grade of "C" or higher in the following methods courses and maintain a GPA of 2.50 or above in the major.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

Education of the Deaf: SPED 402, SPED 404, SPED 406, SPED 408, SPED 409, SPED 498

Education of the Mentally Retarded: SPED 340, SPED 441, SPED 442, SPED 444, SPED 498

### **Certification**

Education of the Deaf (double major program): The program of study meets the provisional certification requirements of the Council on Education of the Deaf, as well as requirements of the North Dakota State Department of Public Instruction for a credential to teach children with hearing loss grades K-12.

Education of the Mentally Retarded (double major program): The program of study meets the requirements of the North Dakota Department of Public Instruction for a credential to teach students with mental retardation.

### **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN EDUCATION OF THE DEAF taken in conjunction with the ELEMENTARY EDUCATION MAJOR (155 cr)**

The Bachelor of Science in Education Degree is awarded to students majoring in Education of the Deaf with a second major in Elementary Education. A minimum of 250 clock hours including clinical practicum and student teaching in classrooms for students who are deaf or hard of hearing is required in addition to student teaching in a regular classroom.

### **General Education (38 cr)**

#### **Required Core (45 cr)**

- CD 320 Introduction to Phonetics (3)
- CD 321 Language Development (3)
- CD 341 Speech and Hearing Science (2)
- CD 342 Introduction to Audiology (4)
- ED 495 Student Teaching, Special Areas (8)
- SPED 117 Manually Coded English I (2)
- SPED 210 Introduction to the Education of Children  
Who are Deaf or Hard of Hearing (2)
- SPED 301 Grammar and Linguistic Analysis for Children  
Who are Deaf or Hard of Hearing (3)
- SPED 402 Theory and Methods of Teaching Language to  
Children Who are Deaf or Hard of Hearing\* (5)
- SPED 404 Theory and Methods of Teaching Speech to Children  
Who are Deaf or Hard of Hearing\* (5)
- SPED 406 Working with Families and others in  
Deaf Education (2)
- SPED 408 Methods of Teaching Reading and Academic Subjects  
to Children Who are Deaf or Hard of Hearing\* (4)
- SPED 409 Aural Rehabilitation (2)
- SPED 498 Advanced Field Experience (1)

#### **Required Elementary Education Major (27 cr)**

- ED 352 Foundations of Reading\* (3)
- ED 421 Elementary Mathematics Methods\* (3)
- ED 422 Elementary Language Arts Methods\* (3)
- ED 423 Elementary Reading Methods\* (3)

ED 424 Elementary Social Studies Methods\* (3)  
ED 492 Student Teaching, Elementary\* (8)  
SCI 426 Elementary Science Methods\* (4)

**Required Teacher Education Core (22 cr)**

ED 201 Introduction to Teaching (1)  
ED 310 Foundations of Education (3)  
ED 320 Curriculum, Planning, and Assessment\* (3)  
ED 380 Technology in Teaching\* (2)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
SPED 110 Introduction to Exceptional Children (3)  
PSY 211/255 Human Growth and Development/Child  
and Adolescent Psychology (3)  
SS 283 Ethnic and Cultural Diversity in America (3)

**Competency in Arts and Sciences (19 cr)**

ART 201 Art Methods for Elementary Education (2)  
ENGL 238 Children's Literature (3)  
MUSC 120 Fundamentals of Music (2)  
MUSC 301 Music Methods for Elementary Teachers\* (2)  
HPER 210 First Aid and CPR (2)  
HPER 340 Elementary Methods and Activities\* (3)  
MATH 277 Mathematics for Elementary Teachers I (3)  
MATH 377 Mathematics for Elementary Teachers II (2)

\* Requires admission to Teacher Education.

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN MENTAL RETARDATION taken  
in Conjunction with an ELEMENTARY EDUCATION MAJOR\* (146-147 cr)**

**General Education (38 cr)**

**Required Core (34 cr)**

SPED 310 Introduction to Developmental Disabilities (3)  
SPED 340 Classroom Assessment for Mental Handicaps\* (3)  
SPED 441 Methods of Teaching Persons with Mild Mental  
Handicaps\* (3)  
SPED 442 Methods of Teaching Persons with Moderate Mental  
Handicaps\* (3)  
SPED 444 Vocational Programming for Persons with Mental  
Handicaps\* (3)  
SPED 445 Collaborative Partnerships in Special Education (3)  
SPED 498 Advanced Field Experience\* (1)  
CD 426 Speech-Language Development and Disorders  
for the Teacher (4)  
PSY 201 Dynamics of Adjustive Behavior and Mental Health (3)  
ED 495 Student Teaching, Special Areas (8)

**Teacher Education Core (Admission Not Required) (28 hrs)**

SPED 110 Introduction to Exceptional Children (3)  
PSY 211 or 255 Human Growth and Development/Child and

Adolescent Psychology (3)  
SS 283 Ethnic and Cultural Diversity in America (3)  
MUSC 101 Fundamentals of Music (2)  
HPER 210 First Aid and CPR (2)  
MATH 277 Math for Elementary Education Teachers I (3)  
MATH 377 Math for Elementary Education Teachers II (2)  
ENGL 238 Children's Literature (3)  
ED 310 Foundations of Education (3)  
ED 201 Introduction to Teaching (1)  
ART 201 Art Methods for Elementary Education (2)

**Required Teacher Education Core (27 cr) (Teacher Education Admittance Required)**

MUSC 301 Methods for Elementary Teachers\* (2)  
ED 320 Curricular Planning and Assessment\* (3)  
HPER 340 Elementary Methods and Activities\* (3)  
ED 352 Foundations of Reading\* (3)  
ED 380 Technology in Teaching\* (2)  
ED 421 Math Methods\* (3)  
ED 422 Elementary Language Arts Methods\* (3)  
ED 423 Elementary Reading Methods\* (3)  
ED 424 Elementary Social Studies Methods\* (3)  
SCI 426 Elementary Science Methods\* (4)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
ED 492 Student Teaching, Elementary\* (8)

**Elective Credit Options (Choose One) (2-3 cr)**

PSY 473 Behavior Modification (3)  
SPED 410 Introduction to Learning Disabilities (3)  
HPER 442 Methods of Teaching Physical Education to the  
Disabled (2)  
SPED 420 Adaptations in Regular Education (2)

\* Requires Admission to Teacher Education

Students obtaining the BSE in Mental Retardation may choose a secondary teaching major instead of elementary education.

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN MENTAL RETARDATION taken in Conjunction with a SECONDARY TEACHING CONTENT AREA (140-153 cr)**

1. General Education (38 cr)
2. Secondary Teaching Content Area (32-40 cr)
3. Professional Education Sequence (34-38 cr)
4. Mental Retardation Major (36-37 cr)

Total 140-153 cr

Persons wishing to teach in a secondary content area and in mental retardation must complete the general education requirements, the secondary content coursework, the professional education sequence for that content area, and the mental retardation major coursework. Consult with an advisor on the specific courses taken per semester.

**BACHELOR OF SCIENCE WITH A MAJOR IN DEVELOPMENTAL DISABILITIES (NON-TEACHING) (128 cr)**

**General Education (38 cr)**

**Required Core\* (57 cr)**

CD 426 Speech-Language Development and Disorders for the Teacher (4)  
HPER 210 First Aid and CPR (2)  
HPER 442 Methods of Teaching Physical Education to the Disabled (2)  
PSY 255 Childhood and Adolescent Psychology (3)  
PSY 211 Human Growth-Childhood (3)  
PSY 320 Introductory Statistics for Analysis of Behavior (3)  
PSY 473 Behavior Modification (2)  
SPED 110 Introduction to Exceptional Children (3)  
SPED 310 Introduction to Developmental Disabilities (3)  
SPED 340 Classroom Assessment for Mental Handicaps (3)  
SPED 398 Experience in Developmental Disabilities (1)  
SPED 410 Introduction to Learning Disabilities (3)  
SPED 441 Methods of Teaching Persons with Mild Mental Handicaps (3)  
SPED 442 Methods of Teaching Persons with Moderate Mental Handicaps (3)  
SPED 444 Vocational Programming for Persons with Mental Handicaps (3)  
SPED 445 Collaborative Partnerships in Special Education (3)  
SPED 491 Senior Seminar in Special Education (4)  
SPED 497 Externship in Developmental Disabilities (8)  
SPED 498 Advanced Field Experience (1)

\* Some classes in Associate of Science in Developmental Disabilities courses may be used as substitutes. Check with a department advisor.

**Minor and/or Concentration(s)-Related Field (33 cr)**

Students pursuing a non-teaching degree in Developmental Disabilities should take an average of 16 hours per semester to complete 128 hours in four years (eight semesters). Consult an advisor for specific class sequence.

**SPECIAL EDUCATION CONCENTRATION (10-11 cr)**

SPED 110 Introduction to Exceptional Children (3)  
SPED 420 Adaptations in Regular Education (2)

**Required**

Elect two from the following (5-6 cr)  
SPED 210 Introduction to the Education of Children Who Are Deaf or Hard of Hearing (2)  
SPED 310 Introduction to Developmental Disabilities (3)  
SPED 410 Introduction to Learning Disabilities (3)

## **ASSOCIATE OF SCIENCE DEGREE IN DEVELOPMENTAL DISABILITIES (65 cr)**

The Associate of Science Degree in Developmental Disabilities is awarded upon satisfactory completion of the designated 27 credits of developmental disabilities coursework and the 38 credits of general education coursework. The developmental disabilities coursework is available in approved Developmental Disabilities facilities and group homes throughout North Dakota or through MSU Online. The general education requirements may be completed at any accredited institution of higher learning and applied toward the degree at Minot State University. Further information can be obtained from the Department of Communication Disorders and Special Education, Developmental Disabilities Office at 701-858-3047, 1-800-777-0750, ext. 3047.

### **General Education (38 cr)**

#### **Required Core (27 cr)**

- SPED 101 Intro to Developmental Disabilities Services (3)
- SPED 111 Health Care in Developmental Disabilities I (3)
- SPED 112 Health Care in Developmental Disabilities II (2)
- SPED 120 Introduction to Behavior Management (3)
- SPED 130 Organization to Leisure Time in Developmental Disabilities (1)
- SPED 140 Human Development (2)
- SPED 221 Techniques of Behavior Management (2)
- SPED 223 Dual Diagnosis: Mental Retardation and Psychopathology (1)
- SPED 225 Assisting People with Traumatic Brain Injury and Their Families (2)
- SPED 250 Developing Communicative Interactions (2)
- SPED 255 Aging and Developmental Disabilities (2)
- SPED 296 Supervised Field Experience in Developmental Disabilities (4)

The following classes from the Associate of Science in Developmental Disabilities may be substituted for the following:

- SPED 101 for SPED 310
- SPED 120 and 221 for PSY 473
- SPED 130 for HPER 442
- SPED 140 for PSY 255/352
- SPED 250 for SPED 445
- SPED 296 for SPED 333 and 433

## **CERTIFICATE OF COMPLETION IN DEVELOPMENTAL DISABILITIES (15 cr)**

The Certificate of Completion in Developmental Disabilities is designed to meet a national demand for paraprofessional training of personnel who support individuals with disabilities in the community. Students will be required to take SPED 101: Introduction to Developmental Disabilities Services and at least 12 semester hours of electives from the remaining courses in the Associate of Science in Developmental Disabilities. Students may specialize in Health Care, Behavior Intervention, Aging, or Severe Disabilities.



## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

[Bachelor of Science in Nursing](#)  
[Health Management Science Concentration](#)  
[Additional Nursing Information](#)  
[Cooperating Agencies](#)

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### **BACHELOR OF SCIENCE IN NURSING (128 cr)**

The Bachelor of Science in Nursing degree is a four-year course of study that builds from general education, elective, and required support courses to the nursing major. Courses in the nursing major focus on the following areas of study: 1) Assessment; Growth and Development; 2) Concepts, Theories, Research, and Issues; 3) Foundations for Varied Settings; 4) Specialities for entry level clinical experiences to specialty areas; and 5) Community Health; Leadership. The organizing framework for the nursing program's curriculum is founded in philosophical constructs focusing on persons/humans, environment, health, and nursing.

The Department of Nursing reserves the right to alter content, sequence, and courses offered in the nursing program to maintain relevance with current and future professional nursing education and practice. The Department of Nursing encourages, and reserves the right to require, participation in a NCLEX-RN licensure preparation course.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### **Requirements for Application for Admission into the Nursing Major**

Admission to the nursing major (NURS 256 and higher numbers) requires that a student has demonstrated scholarly ability to pursue a professional career in nursing. Specific admission requirements should be obtained from the Department of Nursing. An APPLICATION FOR ADMISSION TO THE NURSING MAJOR must be submitted by the 1st day of October for spring admission and by the 1st day of February for fall admission. Eligibility for application to the nursing major requires that PRIOR TO APPLYING, a student must have met the following criteria:

1. completed Minot State University admission requirements (The application, required fee, and official transcript(s) from previously attended colleges and universities should be sent to the Records Office at least 4 weeks before the application deadline.);
2. maintained a minimum cumulative grade point average (GPA) of 2.50;
3. achieved a minimum grade of "C" in each required, support course;
4. completed a specific subset of required support courses (this list and the Selection Policy and Procedure is available from the Department of Nursing);
5. completed or be enrolled in credits to total a minimum of 50 semester credits; and
6. enrolled in or completed all required support courses and required courses for nursing major.

The stated admission requirements are the minimal qualifications. Fulfilling these requirements does not guarantee admission when the number of applicants exceeds available clinical spaces.

### **General Education (38 cr)**

### **Required Support Courses (14 cr)**

BIOL 142 General Microbiology\* (4)  
BIOL 220 Anatomy and Physiology I (4)  
BIOL 221 Anatomy and Physiology II (4)  
CHEM 115 Introductory Chemistry\* (4)  
HMS 240 Nutrition (3)  
PSY 111 Introduction to Psychology\* (3)  
PSY 270 Abnormal Psychology (3)  
SOC 101 Introduction to Sociology\* (3)

\* These courses can be taken as part of the General Education requirements.

### **Nursing Major (lower division) (6 cr)**

HMS 213 Life Span Growth and Development (3)  
NURS 253 Nursing Perspectives (3)

### **Requirements after Admission to the Nursing Major**

Nursing Major (58 cr)  
NURS 256 Nursing Foundations (6)  
NURS 263 Health Promotion and Disease Prevention (3)  
NURS 264 Health Assessment (4)  
NURS 365 Adult Health Nursing I (5)  
NURS 375 Adult Health Nursing II (5)  
NURS 384 Adult Health Nursing III (4)  
NURS 385 Women's Health Nursing (5)  
NURS 443 Child Health Nursing (3)  
NURS 453 Psychiatric Mental Health Nursing (3)  
NURS 456 Community Health Nursing (6)  
NURS 463 Nursing Theory and Research (3)  
NURS 472 Trends and Issues (2)  
NURS 473 Nursing Leadership and Management (3)  
NURS 497 Nursing Practicum (6)

### **Electives (12 cr)**

Students must successfully complete each semester's listed nursing courses before advancing to the next semester.

### **HEALTH MANAGEMENT SCIENCE CONCENTRATION (12 cr)**

(Open to General College students. Concentration not required for the nursing major.)

HMS 151 Stress Management (2)  
HMS 203 Health Care Through the Life Span (3)  
HMS 208 Medical Terminology (2)  
HMS 213 Life Span Growth and Development (3)  
HMS 215 Introduction to Pharmacology (3)  
HMS 260 Introduction to Public Health (3)  
HMS 279 Death and Dying (3)  
HMS 379 Health and Physiological Aspects of Aging (3)  
HMS 460 Quality and Risk Management in Health Care (3)  
NURS 253 Nursing Perspectives (3)

### **Advisory Information**

First year student (freshman) and sophomores should select required support courses before other required and elective courses. Study of the current class schedule, the summer schedule, and the yearly schedule of classes will aid students in planning how to complete requirements to be eligible for admission into the nursing major. Students are expected to maintain contact each semester with their academic advisor. Recommended high school subjects provide a foundation for required, support courses. Mathematical competency is required in the nursing program.

### **Advanced Standing Applicants**

Students with a nursing license (RN, LPN/LVN) and prior educational and experiential qualifications either in nursing or health care disciplines may apply for the LPN to BSN or RN to BSN programs of study. An advanced standing classification is based upon credit mechanisms established by the Records Office in consultation with the Department of Nursing and appropriate persons. All academic requirements of the university must be met by achievement of credits, transfer credit, validation of prior learning by mechanisms providing for the demonstration of achievement of objectives, approved College Level Examination Performance (CLEP), Proficiency Examination Program (PEP), Advanced Placement (AP) Examinations; or other measures of equivalency established for advanced placement.

### **Progress in the Major**

Nursing majors must achieve a minimum grade of "C" in nursing courses for continuous progress in the nursing program. PSY 270 Abnormal Psychology must be completed with a minimum grade of "C" prior to NURS 453 Psychiatric-Mental Health Nursing. To obtain a minimum grade of "C," nursing courses may be repeated one time only subject to standing committee recommendations, faculty decision and such considerations as availability of faculty, clinical resources, and classroom spaces. The Faculty Committee reserves the right to deny the readmission of a student who failed one or more courses in the nursing major. Any student not making satisfactory progress may be subject to stipulations, such as probationary status, presentation of evidence of adequate aptitude for nursing, or evidence of academic improvement in prerequisite or concurrent courses. Documentation of any or all of these may be required.

Special student requests, such as for readmission, should be directed by petition or letter to the appropriate committee through the Department of Nursing Chair's office. Adherence to policies in the Department of Nursing Student Handbook is required and include the maintenance of current CPR certification and immunizations. Junior level nursing courses must be completed before entry into Senior level nursing courses, except when the student is an RN in the accelerated track.

### **Program Goals and Learning Outcomes**

The purpose of assessment is to measure the extent of attainment of Department of Nursing goals and student learning outcomes. Assessment results are used to evaluate and improve the program. Participation in assessment activities (e.g., surveys, standardized tests) is expected of all nursing majors.

### **Approval, Accreditation, and Data Source**

The Department of Nursing is approved by the North Dakota Board of Nursing and has continuing accreditation by the National League for Nursing Accrediting Commission (NLNAC). The annually updated source for the program's required tuition and fees is the NLNAC, which may be contacted at 61 Broadway, New York, NY 10006 (212) 363-5555. The Department of Nursing is a member of the National League for Nursing Council of Baccalaureate and Higher Degree Programs.

### **Cooperating Agencies**

Clinical experience and other learning opportunities may be available at the following cooperating

agencies, pending agreement.

ManorCare Health Service  
Day Care and Child Care Centers and Schools  
First District Health Unit  
Individual Physician's Offices and Medical Clinics  
Little Flower School  
Minot Commission on Aging  
Minni-Tohe Health Center, New Town  
Trenton Community Clinic, Trenton  
Minot Vocational Workshop  
North Central Human Service Center  
ND Department of Human Services; Open House  
ND State Hospital, Jamestown  
Quentin N. Burdick Memorial Health Care Facility, Belcourt  
St. Leo's School  
Trinity Health-Hospital, Home Care Agency, Hospice, Nursing Home, and Cancer Care Center  
Trinity Medical Arts Clinic, P.C.  
Upper Missouri District Health Unit, Williston  
5th Medical Group, Minot Air Force Base

Other agencies, in addition to the above, may be utilized for clinical experience, especially during the senior practicum. These include, but are not limited to, the following North Dakota health care facilities/agencies:

Altru Hospital, Grand Forks  
Anne Carlsen Center for Children, Jamestown  
Ashley Medical Center, Ashley  
Carrington Health Center, Carrington  
Cavalier County Memorial Hospital, Langdon  
Community Memorial Hospital, Hettinger  
Community Memorial Hospital, Turtle Lake  
Dakota Heartland Health System, Fargo  
Garrison Memorial Hospital and Nursing Facility, Garrison  
Heart of America Medical Center, Rugby  
Innovis Health, Fargo  
Kenmare Community Hospital, Kenmare  
Linton Hospital, Linton  
MedCenter One, Bismarck and Mandan  
Medical Center Rehabilitation Hospital, Grand Forks  
McKenzie County Memorial Hospital, Watford City  
Mercy Hospital, Devils Lake  
Mercy Hospital, Valley City  
Mercy Hospital, Williston  
Merit Care Hospital/Health System, Fargo  
Native American MCH Program, Ft. Totten  
Presentation Medical Center, Rolla  
REM Home  
Sakakawea Medical Center, Hazen  
St. Alexius Medical Center, Bismarck  
St. Aloisius Hospital, Harvey  
St. Andrew's Health Center, Bottineau

St. Luke's Hospital, Crosby  
Stanley Community Hospital, Stanley  
Tioga Medical Center, Tioga  
Towner County Memorial Hospital, Cando

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[Privacy Policy](#)

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## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

**Faculty:** Lisa Borden-King, Elementary Program Coordinator; Rebecca Barcomb; Robin Clark; Margaret Coxwell; Warren Gamas; Patricia Jorgenson; Elaine Larson; Clarine Sandstom; Robert Sundberg; Patricia Swanson

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Director, Teacher Advisement and Field Placement Office:** Elaine Larson

### **BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION (128 cr)**

The B.S.E. Program meets the requirements of the Educational and Standards and Practices Board of North Dakota for 1-8 or K-8 elementary education teaching credential.

Refer to the [Department of Teacher Education and Human Performance section](#) for details regarding Teacher Education at Minot State University. These pages will explain the admission, retention, and exit requirements of the program.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### **General Education (42 cr)**

(Requires two lab sciences: one each in Life and Physical Science)

### **Coursework not requiring admission to Teacher Education (33 cr)**

ED 250 Foundations of Education (2) -[ED 201 prior to Fall 2005]

ED 260 Educational Psychology (2) -[ED 310 prior to Fall 2005]

ED 320 Curriculum, Planning and Assessment (3)

SPED 110 Introduction to Exceptional Children (3)

Select one of the following (3 cr)

PSY 211 Human Growth and Development (3)

PSY 255 Child and Adolescent Psychology (3)

SS 283 The Ethnic Experience in America (3)

MUSC 120 Fundamentals of Music (2)

ART 201 Art Methods for Elementary Education (2)

HPER 210 First Aid and CPR (2)

MATH 277 Mathematics for Elementary Teachers I (3)

MATH 377 Mathematics for Elementary Teachers II (2)

ENGL 238 Children's Literature (3)

GEOL 108 Earth and Planetary Science (3)

### **Coursework requiring admission to Teacher Education (42 cr)**

MUSC 301 Music Methods for Elementary Teachers (2)

HPER 340 Elementary Methods and Activities (3)

ED 352 Foundations of Reading (3)

ED 380 Technology in Teaching (2)

\*\*\*ED 421 Elementary Mathematics Methods (3)

\*\*\*ED 422 Elementary Language Arts Methods (3)

\*\*\*ED 423 Elementary Reading Methods (3)

\*\*\*ED 424 Elementary Social Studies Methods (3)

\*\*\*SCI 426 Elementary Science Methods (4)

ED 460 Managing the Learning Environment (2)

ED 470 Teaching Diverse Learners (2)

ED 492 Student Teaching-Elementary (12)

### **Electives (14 cr)**

\* The program outlined above will provide 1-8 certification; those wishing K-8 certification must take the kindergarten endorsement.

\*\* In selected double majors some of the coursework may be substituted. Refer to departmental policies.

\*\*\* The methods classes for elementary education candidates must be taken together in one semester. During this time candidates will complete a five week practicum experience in an elementary school which will require the candidates to put in the same hours as the teacher to whom they are assigned.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

[Kindergarten Endorsement](#)  
[Middle School Endorsement](#)  
[Elementary Reading Credential](#)

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### **KINDERGARTEN ENDORSEMENT (15-17 cr)**

The kindergarten endorsement requires a B.S.E. with a major in elementary education plus the following coursework:

- ED 360 Language Acquisition (3)
- ED 335 Early Childhood Education (3)
- ED 430 Preschool Curriculum, Activities and Practicum (3)
- ED 491 Student Teaching Kindergarten (6-8)

### **MIDDLE SCHOOL ENDORSEMENT (10 cr)**

The middle school endorsement requires a B.S.E. with major in elementary education or B.S.E. in secondary education plus the following coursework:

- ED 402 Teaching Reading in the Content Areas (2)
- ED 450 Middle School Curriculum and Philosophy (2)
- ED 451 Middle School Teaching Strategies (3)
- PSY 312 Human Growth and Development (3) OR
- PSY 255 Child and Adolescent Psychology (3)

### **ELEMENTARY READING CREDENTIAL (8 cr)**

The designated reading coursework may be applied toward a reading credential.

- ED 402 Teaching Reading in the Content Areas (2)
- ED 440 Remedial Reading (3)
- ED 441 Clinical Practice in Remedial Reading (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Faculty:** Dave Rochholz, Program Coordinator; Terry Ferebee Eckmann; Heather Golly; Robin Gust; Gary Leslie; Alvis Martinson; Robert Sundberg

[Bachelor of Science in Education with a Major in Physical Education](#)

[Physical Education Minor](#)

[Coaching Minor](#)

[Health Education Minor](#)

[Driver and Traffic Safety Concentration](#)

### **BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN PHYSICAL EDUCATION (128 cr)**

The B.S.E. program meets the requirements of the Education and Standards and Practices Board of North Dakota for a K-12 physical education teaching credential.

Refer to pages 118-121 of the catalog for details regarding Teacher Education at Minot State University. These pages will explain the admission, retention, and exit requirements of the program.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### **General Education (38 cr)**

### **Coursework not requiring admission to Teacher Education (49 cr)**

- HPER 107 Introduction to Physical Education (2)
- HPER 207 Prevention and Care of Injuries (2)
- HPER 210 First Aid and CPR (2)
- HPER 215 Methods of Teaching Sports Activities (2)
- HPER 220 Methods of Teaching Dance (2)
- HPER 226 Methods of Teaching Group Fitness and Weight Training (2)
- HPER 231 Water Safety Instructor (2)
- HPER 301 Psychomotor Development (2)
- HPER 310 Organization and Administration of Physical Education and Athletics (2)
- HPER 334 Nutrition for Physical Performance (2)
- HPER 407 Psychology of Physical Education and Athletics (2)
- HPER 431 Kinesiology (3)
- HPER 433 Physiology of Exercise (3)
- HPER 441 Evaluation of Psychomotor Performance (3)
- HPER 442 Methods of Teaching Physical Education to the Disabled (2)
- SPED 110 Introduction to Exceptional Children (3)
- ED 201 Introduction to Teaching (1)
- ED 310 Foundations of Education (3)
- ED 320 Curriculum Planning and Assessment (3)

PSY 255 Child and Adolescent Psychology (3)  
SS 283 Ethnic and Cultural Diversity in America (3)

**Coursework requiring admission to Teacher Education (31 cr)**

HPER 340 Elementary Methods and Activities (3)  
HPER 341 Practicum for Elementary Physical Education (2)  
ED 380 Technology in Teaching (2)  
HPER 391 Physical Education Methods/Secondary (4)  
ED 460 Managing the Learning Environment (2)  
ED 470 Teaching Diverse Learners (2)  
ED 494 Student Teaching K-12 (16)

**Electives (10 cr)**

**PHYSICAL EDUCATION MINOR (28-29 cr)**

HPER 107 Introduction to Physical Education (2)  
HPER 210 First Aid and CPR (2)  
HPER 215 Methods of Teaching Sports Activities (2)  
HPER 220 Methods of Teaching Dance (2)  
HPER 226 Methods of Teaching Group Fitness and Weight  
Training (2)  
HPER 301 Psychomotor Development (2)  
HPER 334 Nutrition for Physical Performance (2)  
Elect from the following (3-4 cr)  
    HPER 340 Elementary Methods and Activities (3)  
    HPER 391 Physical Education Methods/Secondary (4)  
HPER 431 Kinesiology (3)  
HPER 433 Physiology of Exercise (3)  
HPER 441 Evaluation of Psychomotor Performance (3)  
HPER 442 Methods of Teaching Physical Education to the Disabled (2)

NOTE: Physical Education minors must complete HPER 340 or HPER 391, whichever is commensurate with the licensing level of their major, and must earn a grade of C or better.

**COACHING MINOR (28 cr)**

HPER 207 Prevention and Care of Injuries (2)  
HPER 210 First Aid and CPR (2)  
HPER 226 Methods of Teaching Group Fitness and Weight  
Training (2)  
HPER 250 Officiating (2)  
HPER 310 Organization and Administration of Physical  
Education and Athletics (2)  
HPER 407 Psychology of Physical Education and Athletics (2)  
HPER 431 Kinesiology (3)  
HPER 433 Physiology of Exercise (3)  
HPER 496 Coaching Practicum (2)  
Elect from the following (6 cr)  
    HPER 401 Methods of Coaching Football (2)  
    HPER 402 Methods of Coaching Basketball (2)  
    HPER 403 Methods of Coaching Track (2)  
    HPER 404 Methods of Coaching Baseball/Softball (2)  
    HPER 405 Methods of Coaching Wrestling (2)

HPER 406 Methods of Coaching Volleyball (2)  
Elect from the following (2 cr)  
HPER 111 Varsity Football (1)  
HPER 112 Varsity Basketball (1)  
HPER 113 Varsity Track and Field (1)  
HPER 114 Varsity Tennis (1)  
HPER 115 Varsity Golf (1)  
HPER 116 Varsity Cross Country (1)  
HPER 117 Varsity Volleyball (1)  
HPER 118 Varsity Cheerleading (1)  
HPER 119 Varsity Softball (1)  
HPER 121 Varsity Baseball (1)  
HPER 215 Methods of Teaching Sports Activities (2)

### **HEALTH EDUCATION MINOR (23 cr)**

Required Support Courses (may be used as general education requirements or electives)

BIOL 142 General Microbiology (4)  
BIOL 150 General Biology (4)  
CHEM 121/121L General Chemistry I (5)

### **Required Core**

BIOL 115 Human Structure and Function (4)  
BIOL 347 General Ecology (3)  
HMS 203 Health Care Through the Life Span (3)  
HPER 210 First Aid and CPR (2)  
HPER 334 Nutrition for Physical Performance (2)  
PSY 349 Psychopharmacology (3)  
Elect from the following (6 cr)  
HPER 360 Administration of School Health Programs (3)  
HPER 361 Vital Health Issues (3)  
HPER 362 Principles and Methods of Teaching School Health (3)

### **DRIVER AND TRAFFIC SAFETY CONCENTRATION**

This program is the only Driver and Traffic Safety program in the state and is one of a very few in the region. Several states have indicated they would recognize this concentration in certifying teachers as driver education instructors. Requirements for this credential would be:

1. A valid teaching license or eligibility for one.
2. Completion of the following courses (11 cr)  
DTS 230 Driver and Traffic Safety Education (3)  
DTS 350 Advanced Driving (3)  
DTS 260 Teenage Driving Behavior Problems (3)  
DTS 450 Organization, Administration and Supervision of  
Traffic Safety Education (2)

Since this program is offered in an online environment our pool of potential students covers ND, SD, Minnesota and Montana.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

[Bachelor of Science with a Major in Corporate Fitness  
Health and Wellness Concentration](#)

### **BACHELOR OF SCIENCE WITH A MAJOR IN CORPORATE FITNESS General Education (38 cr)**

#### **Required Physical Education Core (44 cr)**

ACCT 220 Elements of Accounting (3)  
BADM 301 Fundamentals of Management (3)  
BADM 303 Human Resource Management (3)  
BOTE 127 Information Processing (3)  
BIT 247 Spreadsheet Applications (3)  
HPER 207 Prevention and Care of Injuries (2)  
HPER 210 First Aid and CPR (2)  
HPER 215 Methods of Teaching Sports Activities (2)  
HPER 220 Methods of Teaching Dance (2)  
HPER 226 Methods of Teaching Group Fitness and  
Weight Training (2)  
HPER 334 Nutrition for Physical Performance (2)  
HPER 431 Kinesiology (3)  
HPER 433 Physiology of Exercise (3)  
HPER 441 Evaluation of Psychomotor Performance (3)  
HPER 497 Corporate Fitness Practicum (8)  
(minimum 160 contact hours)

#### **Second Major or Minors/Concentration(s)/or Electives (46 cr)**

#### **HEALTH AND WELLNESS CONCENTRATION (10 cr)**

HPER 100 Concepts of Fitness and Wellness (2)  
HPER 120 Weight Training (1)  
HPER 126 Group Fitness (1)  
HPER 210 First Aid and CPR (2)  
HPER 215 Methods of Teaching Sports Activities (2)  
HPER 334 Nutrition for Physical Performance (2)

## Undergraduate Catalog

Colleges & Catalogs  
 Course Descriptions  
 2004-06 Addendum  
  
 Introduction  
 Degree Offerings  
 Special Programs  
 Academic Information  
 Admissions  
 Advising & Orientation  
 Extended Learning  
 Financial Information  
 Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Advisor:** Bob Crackel

Pre-med 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, required pre-medicine courses, and 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. At the UND School of Medicine the required minimum of university coursework includes:

- CHEM 121, 121L and 122, 122L General Chemistry I and II
- CHEM 341, 342 Organic Chemistry I and II
- COMM 110 Fundamentals of Speech
- ENGL 110, 120 College Composition I and II
- MATH 103 College Algebra
- PHYS 203, 204 Physics I and II
- One year of Biology
- Psychology and/or Sociology

Other medical schools have similar requirements but their catalogs should be consulted. It is recommended that pre-med students at Minot State take more than the minimum requirements. Serious students should, in addition, consider courses such as:

- BIOL 142 Microbiology
- BIOL 220, 221 Anatomy and Physiology I and II
- BIOL 322 Genetics
- BIOL 440 Pre-Med Practicum
- CHEM 480 Biochemistry
- CHEM 480L Biochemistry Laboratory
- MATH 240 Applied Statistics
- Computer Science Courses

Pre-med students are also encouraged to take part in an undergraduate research project while at MSU. High school students wishing to follow a pre-med track as an undergraduate should take at least one year each of biology, chemistry, and physics, and two or more years of math while in high school in order to be prepared for college coursework.

This is a non-degree program. General Education categories are shown for appropriate courses for information only. There is no requirement that these students complete the MSU General

Education requirements, nor is there any requirement that they earn 128 SH.

Modified: June 1, 2006

[CampusConnection](#)

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## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Advisor:** Bob Crackel

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 should take 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 advisor.

### **Non-degree advising: Pre-Optometry (60 SH)**

#### **FIRST YEAR STUDENT (FRESHMAN)**

##### **Fall (32 SH)**

- CHEM 121/121L General Chemistry I (GE6) 5 SH
- CHEM 122/122L General Chemistry II (GE6) 5 SH
- BIOL 150 General Biology I: Introduction to Cellular Biology 4 SH
- BIOL 151 General Biology II: Introduction to Zoology 4 SH
- ENGL 110 College Composition I (GE1) 3 SH
- ENGL 120 College Composition II (GE1) 3 SH
- MATH 103 College Algebra (GE5) 4 SH
- MATH 107 Pre-Calculus 4 SH

##### **SOPHOMORE (28 SH)**

- CHEM 341 Organic Chemistry I 5 SH
- CHEM 342 Organic Chemistry II 5 SH
- PHYS 203 Introduction to Physics I 4 SH
- PHYS 204 Introduction to Physics II 4 SH
- MATH 165 Calculus I 4 SH
- COMM 100 Fundamentals of Public Speaking (GE1) 3 SH
- PSY 111 Introduction to Psychology (GE7) 3 SH

This is a non-degree program. General Education categories are shown for appropriate courses for information only. There is no requirement that these students complete the MSU General Education requirements, nor is there any requirement that they earn 128 SH.

These four-year matrices are possible with commitment, focus and optimal conditions.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS





Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

**Advisor:** Robert Crackel

A career in pharmacy requires a minimum of 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 Minot 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. Listed below are the Minot State University courses that satisfy the pre-pharmacy curriculum for NDSU.

BIOL 142 Microbiology

BIOL 150 General Biology I: Introduction to Cellular Biology

BIOL 220, 221 Anatomy and Physiology I and II

CHEM 121, 121L and 122, 122L General Chemistry I and II

CHEM 341, 342 Organic Chemistry I and II

COMM 110 Fundamentals of Speech

ECON 201 Microeconomics

ENGL 110, 120 Freshman English I and II

MATH 165 Calculus I

MATH 166 Calculus II

PHYS 203 Introduction to Physics I

This is a non-degree program. General Education categories are shown for appropriate courses for information only. There is no requirement that these students complete the MSU General Education requirements, nor is there any requirement that they earn 128 SH.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

**Advisor:** Clark Markell

This curriculum is comparable to other pre-professional school programs (such as pre-chiropractic and pre-mortuary science). Students following this track take courses at Minot State University that better prepare them for clinical training at a radiologic technology school. Students may apply to the school of their choice. These schools are separate from the University, and admission to them is competitive. Admission to clinical training is the sole prerogative of the individual hospital-based program. Admission to Minot State University does not guarantee acceptance into clinical training.

MSU does not maintain any tuition agreements for students under this plan and they are not allowed to register for SCI 405 (Rad Tech Clinical Experience). Students on this track do not earn a degree. The University course work is taken solely to assist the student in gaining entry into a clinical school. Upon successful completion of the clinical training at a radiologic technology school, students would be eligible to take the Radiologic Radiographer's Registry Examination to become certified as a Registered Radiologic Technologist/Radiographer.

A well-prepared student can complete the course work in this advising program in two semesters at MSU.

PHYS 203 Introduction to Physics I

PHYS 204 Introduction to Physics II

SCI 102 Introduction to Radiologic Technology

Elect either

BIOL 220 Anatomy and Physiology I

BIOL 221 Anatomy and Physiology II

or

BIOL 115 Human Structure and Function

HPER 431 Kinesiology

Elect one of the following

BOTE 127 Information Processing

or

CSCI 101 Introduction to Computer Science

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Advisor:** Bob Crackel

It is suggested that students interested in applying to veterinary school pursue a degree in one of the sciences and take specific courses to meet admission requirements. Note that admission to veterinary school is highly competitive. Students planning to seek tuition support from the state of North Dakota should notify both the North Dakota State Board of Higher Education Office and their advisor. Although specific requirements vary, the following list of Minot State courses based on the University of Minnesota list is typical:

- CHEM 121, 121L and 122, 122L General Chemistry I and II
- CHEM 341 and 342 Organic Chemistry I and II
- CHEM 480 Biochemistry
- BIOL 142 General Microbiology
- BIOL 215 Genetics
- PHYS 203 and 204 Introduction to Physics I and II
- MATH 103 College Algebra
- ENGL 110 and 120 College Composition I and II
- BIOL 150 Intro to Cellular Biology
- BIOL 151 Intro to Zoology

This is a non-degree program. General Education categories are shown for appropriate courses for information only. There is no requirement that these students complete the MSU General Education requirements, nor is there any requirement that they earn 128 SH.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Faculty:** Stephen Huenneke, Co-Program Coordinator; I-Ming Chiu, Co-Program Coordinator

[Bachelor of Arts with a Major in Economics](#)

[Economics Minor \(non-teaching\)](#)

[Economics Minor \(teaching\)](#)

[Banking and Finance Concentration](#)

[Economics Concentration](#)

### **BACHELOR OF ARTS WITH A MAJOR IN ECONOMICS (128 cr)**

#### **General Education (38 cr)**

#### **Required Core (37 cr)**

ECON 201 Principles of Microeconomics (3)

ECON 202 Principles of Macroeconomics (3)

ECON 312 Price Theory (3)

ECON 314 National Income Analysis (3)

ECON 318 Money and Banking (3)

ECON 418 History of Economic Thought (3)

MATH 240 Applied Statistics (4)

Elect two from the following (6 cr)

ECON 315 Labor Economics (3)

ECON 410 Managerial Economics (3)

ECON 414 International Economics (3)

Electives from the ECON curriculum or from the following (9 cr)

ACCT 201 Accounting Principles I (3)

ACCT 202 Accounting Principles II (3)

ACCT 300 Legal Environment of Business (3)

ACCT 315 Not For Profit Accounting (3)

ACCT 321 Managerial Accounting (3)

BADM 301 Fundamentals of Management (3)

BADM 321 Marketing (3)

BADM 329 Marketing Management (3)

BADM 416 Production Management (3)

BADM 436 Organizational Behavior (3)

BIT 333 COBOL Programming I (3)

BIT 453 Information Systems Analysis (3)

BIT 454 Information Systems Design (3)

BOTE 247 Microcomputer Applications (3)

FIN 353 Corporation Finance (3)

FIN 458 Financial Management (3)

GEOG 352 Economic Geography (3)

MATH 165 Calculus I (4)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

MATH 166 Calculus II (4)  
MATH 305 Linear Algebra (4)  
OR any higher MATH course except MATH 240  
and MATH 391  
SS 399 Readings in Social Science (1-3)

**Second Major or Minor and/or Concentration(s) (36 cr)**

**Electives (17 cr)**

**ECONOMICS MINOR (NON-TEACHING) (22 cr)**

ECON 201 Principles of Microeconomics (3)  
ECON 202 Principles of Macroeconomics (3)  
ECON 312 Price Theory (3)  
Elect one from the following (3)  
ECON 314 National Income Analysis (3)  
ECON 318 Money and Banking (3)  
MATH 240 Applied Statistics (4)  
Electives from the ECON curriculum or from the following (6 cr)  
ACCT 201 Accounting Principles I (3)  
ACCT 202 Accounting Principles II (3)  
ACCT 300 Legal Environment of Business (3)  
ACCT 315 Not-For-Profit Accounting (3)  
ACCT 321 Managerial Accounting (3)  
BADM 301 Fundamentals of Management (3)  
BADM 321 Marketing (3)  
BADM 329 Marketing Management (3)  
BADM 416 Production Management (3)  
BADM 436 Organizational Behavior (3)  
BIT 333 COBOL Programming I (3)  
BIT 453 Information Systems Analysis (3)  
BIT 454 Information Systems Design (3)  
BOTE 247 Microcomputer Applications (3)  
FIN 353 Corporation Finance (3)  
FIN 458 Financial Management (3)  
GEOG 352 Economic Geography (3)  
MATH 165 Calculus I (4)  
MATH 166 Calculus II (4)  
MATH 305 Linear Algebra (4)  
OR any higher MATH course except MATH 240  
and MATH 391  
SS 399 Readings in Social Science (1-3)

**ECONOMICS MINOR (TEACHING) (25 cr)**

ECON 201 Principles of Microeconomics (3)  
ECON 202 Principles of Macroeconomics (3)  
ECON 312 Price Theory (3)  
ECON 318 Money and Banking (3)  
MATH 240 Applied Statistics (4)  
SS 391 Secondary History/Social Science Teaching Methods (3)  
Electives from the ECON curriculum or from the following (6 cr)  
ACCT 201 Accounting Principles I (3)

ACCT 202 Accounting Principles 11 (3)  
ACCT 300 Legal Environment of Business (3)  
ACCT 315 Not-For-Profit Accounting (3)  
ACCT 321 Managerial Accounting (3)  
BADM 301 Fundamentals of Management (3)  
BADM 321 Marketing (3)  
BADM 329 Marketing Management (3)  
BADM 416 Production Management (3)  
BADM 436 Organizational Behavior (3)  
BIT 333 COBOL Programming I (3)  
BIT 453 Information Systems Analysis (3)  
BIT 454 Information Systems Design (3)  
BOTE 247 Microcomputer Applications (3)  
FIN 353 Corporation Finance (3)  
FIN 458 Financial Management (3)  
GEOG 352 Economic Geography (3)  
MATH 165 Calculus I (4)  
MATH 166 Calculus II (4)  
MATH 305 Linear Algebra (4)  
OR any higher MATH course except MATH 240  
and MATH 391  
SS 399 Readings in Social Science (1-3)

**BANKING AND FINANCE CONCENTRATION (12 cr)**

BADM 353 Corporation Finance (3)  
ECON 318 Money and Banking (3)  
Elect two from the following (6 cr)  
BADM 351 Personal Finance and Money Management (3)  
BADM 451 Insurance and Risk Management (3)  
BADM 458 Financial Management (3)  
ECON 316 Economics of Investment (3)  
ECON 411 Public Finance (3)  
ECON 419 Economic Planning and Development (3)

**ECONOMICS CONCENTRATION (12 cr)**

ECON 201 Principles of Microeconomics (3)  
ECON 202 Principles of Macroeconomics (3)  
Two ECON electives (6)



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
  
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Program Coordinator:** Dale Howard

[Geography Minor \(non-teaching\)](#)

[Geography Minor \(teaching\)](#)

[Geography Concentration](#)

### **GEOGRAPHY MINOR (NON-TEACHING) (21 cr)**

Elect seven courses to include at least two but not more than four nonregional courses (21 cr)

- GEOG 161 World Regional (3)
- GEOG 262 North America (3)
- GEOG 263 North Dakota (3)
- GEOG 333 Meteorology (3)
- GEOG 334 Climatology (3)
- GEOG 352 Economic Geography (3)
- GEOG 355 Political Geography (3)
- GEOG 364 Africa (3)
- GEOG 365 Monsoon Asia (3)
- GEOG 366 Latin America (3)
- GEOG 367 Europe (3)
- GEOG 368 Former Soviet Union (3)
- GEOG 371 Cartography (3)

### **GEOGRAPHY MINOR (TEACHING) (24 cr)**

SS 391 Social Science Methods and Micro Teaching (3)

Elect seven courses to include at least two but not more than four nonregional courses (21 cr)

- GEOG 161 World Regional (3)
- GEOG 262 North America (3)
- GEOG 263 North Dakota (3)
- GEOG 333 Meteorology (3)
- GEOG 334 Climatology (3)
- GEOG 352 Economic Geography (3)
- GEOG 355 Political Geography (3)
- GEOG 364 Africa (3)
- GEOG 365 Monsoon Asia (3)
- GEOG 366 Latin America (3)
- GEOG 367 Europe (3)
- GEOG 368 Former Soviet Union (3)
- GEOG 371 Cartography (3)

### **GEOGRAPHY CONCENTRATION (12 cr)**

Elect two regional and two nonregional GEOG courses (12 cr)

- GEOG 161 World Regional (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

GEOG 262 North America (3)  
GEOG 263 North Dakota (3)  
GEOG 333 Meteorology (3)  
GEOG 334 Climatology (3)  
GEOG 352 Economic Geography (3)  
GEOG 355 Political Geography (3)  
GEOG 364 Africa (3)  
GEOG 365 Monsoon Asia (3)  
GEOG 366 Latin America (3)  
GEOG 367 Europe (3)  
GEOG 368 Former Soviet Union (3)  
GEOG 371 Cartography (3)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Faculty:** Bethany Andreasen; Joseph Jastrzembski; Ernst Pijning; Daniel Ringrose, Program Coordinator; Jonathan Wagner

[Bachelor of Arts with a Major in History](#)

[Bachelor of Science in Education with a Major in History](#)

[History Minor \(non-teaching\)](#)

[History Minor \(teaching\)](#)

[History Concentration](#)

### **BACHELOR OF ARTS WITH A MAJOR IN HISTORY (128 cr)** **General Education (38 cr)**

#### **Required Core (39 cr)**

##### **A. Surveys (6 cr)**

Take two courses from the following Survey List:

- HIST 101 Western Civilization I (3)
- HIST 102 Western Civilization II (3)
- HIST 103 U.S. History to 1877 (3)
- HIST 104 U.S. History from 1877 (3)
- HIST 212 World Civilizations since 1500 (3)

##### **B. Historical Methodology (6 cr)**

Take each of the following courses:

- HIST 280 Practice and Method (3)
- HIST 401 Historiography (3)

##### **C. Chronological History Electives (6 cr)**

Take history electives to meet the following requirements. Check course descriptions for category codes. These chronological electives may be additional classes from the Survey List, 200-400 level electives, or a combination of the two. The history department recommends that secondary education majors complete the broadest possible survey coverage.

- One course on the period before 1900
- One course on the period since 1900

##### **D. Distributed History Electives (21 cr)**

Take history electives to meet the following requirements. Check course descriptions for category codes. Limitations on selection of electives:

- No more than two electives can be at the 200 level
  - At least one elective must be at the 400 level
- One course on topical/comparative/thematic issues  
Two courses with U.S. focus  
Two courses with European focus  
Two courses with non-western focus

#### **Additional Degree Requirements:**

Completion of history portfolio  
2.0 GPA in major required for graduation

**Second Major or Minor and/or Concentration(s) (32-36 cr)**

**Electives (15-19 cr)**

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN HISTORY (128 cr)**

**General Education (38 cr)**

**Required Core (39 cr)**

**A. Surveys (6 cr)**

Take two courses from the following Survey List:

- HIST 101 Western Civilization I (3)
- HIST 102 Western Civilization II (3)
- HIST 103 U.S. History to 1877 (3)
- HIST 104 U.S. History from 1877 (3)
- HIST 212 World Civilizations since 1500 (3)

**B. Historical Methodology (6 cr)**

Take each of the following courses:

- HIST 280 Practice and Method (3)
- HIST 401 Historiography (3)

**C. Chronological History Electives (6 cr)**

Take history electives to meet the following requirements. Check course descriptions for category codes. These chronological electives may be additional classes from the Survey List, 200-400 level electives, or a combination of the two.

- One course on the period before 1900
- One course on the period since 1900

NOTE: History Department recommends that secondary education majors complete the broadest possible survey coverage

**D. Distributed History Electives (21 cr)**

Take history electives to meet the following requirements. Check course descriptions for category codes. Limitations on selection of electives:

- No more than two electives can be at the 200 level
- At least one elective must be at the 400 level
- One course on topical/comparative/thematic issues
- Two courses with U.S. focus
- Two courses with European focus
- Two courses with non-western focus

**Social Science Support Courses (12 cr)**

State standards for history teaching certification require the study of a second social science beyond the introductory level. Choose one of the four social science disciplines listed below and complete the specified coursework. Courses used to satisfy the General Education Requirements may help meet these DPI requirements.

- Economics-ECON 201, 202, 418, and one additional upper level ECON elective
- Geography-GEOG 110, 161, 262, and one regional GEOG elective
- Political Science-POLS 115, 116, and two of the following political science equivalency electives: GEOG 355, PHIL 330, SOC 451, CJ 365, HIST 330
- Sociology-SOC 101, 201, and two upper level SOC electives

**Professional Education Sequence (38 cr)**

- ED 201 Introduction to Teaching (1)
  - ED 310 Foundations of Education (3)
  - ED 320 Curriculum, Planning, and Assessment (3)
  - ED 380 Technology in Teaching\* (2)
  - ED 460 Managing the Learning Environment\* (2)
  - ED 470 Teaching Diverse Learners\* (2)
  - ED 480 Clinical Practicum in Education (1)
  - ED 493 Student Teaching\* (12)
  - SS 391 Secondary History/  
Social Science Teaching Methods\* (3)
  - SPED 110 Introduction to Exceptional Children (3)
  - SS 283 Ethnic and Cultural Diversity in America (3)
  - Elect one of the following (3 cr)
    - PSY 255 Child and Adolescent Psychology (3)
    - PSY 312 Human Development-Adolescence (3)
- \*Requires admission to Teacher Education.

**Additional Degree Requirements**

- 2.5 GPA required in major for admission to Teacher Education
- 2.5 GPA required in major for graduation
- Completion of history portfolio

**Electives (2-11 cr)****HISTORY MINOR (NON-TEACHING) (21 cr)****Surveys: Take four of the following five courses (12 cr)**

- HIST 101 Western Civilization I (3)
- HIST 102 Western Civilization II (3)
- HIST 103 U.S. History to 1877 (3)
- HIST 104 U.S. History from 1877 (3)
- HIST 212 World Civilizations since 1500 (3)

**Electives: History electives at the 200-400 level (9 cr)**

**No more than one elective can be taken at the 200 level.**

- One American history elective (3)
- One European history elective (3)
- One non-western history elective (3)

**HISTORY MINOR (TEACHING) (24 cr)****Surveys: Take four of the following five courses (12 cr)**

- HIST 101 Western Civilization I (3)
- HIST 102 Western Civilization II (3)
- HIST 103 U.S. History to 1877 (3)
- HIST 104 U.S. History from 1877 (3)
- HIST 212 World Civilizations since 1500 (3)

**Electives: History electives at the 200-400 level (9 cr)**

**No more than one elective can be taken at the 200 level.**

- One American history elective (3)
- One European history elective (3)
- One non-western history elective (3)

**Teaching Methods (3 cr)**

- SS 391 Secondary History/Social Science Teaching Methods (3)

## **HISTORY CONCENTRATION (12 cr)**

Elect courses to total twelve semester hours, two of which must be at the 200-400 level.

Modified: June 1, 2006

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[Privacy Policy](#)

[CONTACT US](#)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

**Program Coordinator:** Stewart Kelly

[Philosophy Minor](#)  
[Philosophy Concentration](#)

### **PHILOSOPHY MINOR (18 cr)**

#### **Required Courses (6 cr)**

PHIL 100 Critical Thinking (3)

PHIL 210 Ethics (3)

Elect at least one course from the following, but no more than two. (3-6 cr)

PHIL 101 Introduction to Philosophy (3)

PHIL 102 Philosophy of Human Nature (3)

PHIL 201 Philosophy of Religion (3)

#### **Elect at least one (but not more than two) course(s) from the following (3cr)**

PHIL 222 Philosophy and Literature (3)

PHIL 320 Applied Ethics: Current Issues (3)

PHIL 330 Political Philosophy (3)

PHIL 380 Existentialism (3)

PHIL 382 Philosophy of Social Science (3)

PHIL 384 Asian Philosophy (3)

PHIL 410 Analytic Philosophy (3)

SS 399 Readings in Social Science (3)

#### **Choose one other elective (if necessary) to complete the minor. (3 cr)**

### **PHILOSOPHY CONCENTRATION (12 cr)**

#### **Required Courses (6 cr)**

Elect no more than two of the following

PHIL 101 Introduction to Philosophy (3)

PHIL 102 Philosophy of Human Nature (3)

PHIL 201 Philosophy of Religion (3)

#### **Electives (select at least two 200-400 level courses from the following) (6 cr)**

PHIL 100 Critical Thinking (3)

PHIL 210 Ethics (3)

PHIL 222 Philosophy and Literature (3)

PHIL 320 Applied Ethics: Current Issues (3)

PHIL 330 Political Philosophy (3)

PHIL 380 Existentialism (3)

PHIL 382 Philosophy of Social Science (3)

PHIL 384 Asian Philosophy (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS





Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

- [Bachelor of Arts with a Major in Sociology](#)
- [Sociology Minor \(non-teaching\)](#)
- [Sociology Minor \(teaching\)](#)
- [Sociology Concentration](#)
- [Gerontology Minor](#)

### **BACHELOR OF ARTS WITH A MAJOR IN SOCIOLOGY (128 cr)** **General Education (38 cr)**

#### **Required Core (15-16 cr)**

- SOC 101 Introduction to Sociology (3)
- SOC 210 Introduction to Anthropology (3)
- SOC 278 Social Research Methods (3)
- SOC 476 Classical Sociological Theory (3)
- PSY 241 (3) or MATH 240 (4)

#### **Required Courses in Track (8-9 cr) Elect One Track**

Track One: General (9 cr)

Social Processes and Social Change (3 cr)

Elect one from the following

- SOC 255 Changing American Family (3)
- SOC 374 Cultural Studies (3)
- SOC 375 Social Change and Development (3)
- SOC 376 or PSY 376 Social Psychology (3)
- SOC 379 Sociology of Aging (3)

Issues in Equality and Social Control (3 cr)

Elect one from the following

- SOC 252 Criminology (3)
- SOC 361 Comparative Ethnic Studies (3)
- SOC 362 Black (African)-American Culture (3)
- SOC 363 Sociology of Gender (3)
- SOC 365 Social Stratification (3)
- SOC 369 Studies in Deviance (3)

Social Institutions and Social Structure (3 cr)

Elect one from the following

- SOC 353 Sociology of Education (3)
- SOC 357 Sociology of Religion (3)
- SOC 451 Political Sociology (3)
- SOC 455 Global Family (3)
- SOC 459 Complex Organizations (3)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

Track Two: Criminology (9 cr)  
SOC 252 Criminology (3)  
Elect 6 credits from CJ 300-400 level courses (6)

Track Three: Public Administration (9 cr)  
SOC 459 Complex Organizations (3)  
Elect two from the following (6 cr)  
ECON 411 Public Finance (3)  
POLS 115 American Government (3)  
POLS 116 State and Local Government (3)

Track Four: Ethnic and Gender Studies (8-9 cr)  
SOC 361 Comparative Ethnic Studies (3)  
SOC 363 Sociology of Gender (3)  
Elect one from the following (2-3 cr)  
ART 219 Native American Art (2)  
HIST 261 American Indian History (3)  
HIST 315 History of American Women (3)  
SOC 362 Black (African)-American Culture (3)  
SS 283 The Ethnic Experience in America (3)

Track Five: Studies in Aging (9 cr)  
SOC 379 Sociology of Aging (3)  
Elect two from the following (6 cr)  
HMS 379 Health and Physiological Aspects of Aging (3)  
PSY 379 Psychology of Adult and Aging (3)  
SWK 379 Aging Practices and Policies (3)

Track Six: Social Psychology (9 cr)  
SOC 376 or PSY 376 Social Psychology (3)  
Elect two from the following (6 cr)  
PSY 270 Abnormal Psychology (3)  
PSY 410 Cognitive Psychology (3)  
PSY 411 Introduction to Personality Theories (3)

**Required Capstone (3 cr)**

Elect one from the following  
SOC 399 Readings in Sociology (3)  
SOC 401 Research Project (3)  
SOC 497 Practicum/Internship in Sociology (3)

**Sociology Electives (200-400 level) (9 cr)**

**Second Major or Minor and/or Concentration(s) (33-36 cr)**

**Electives (21-25 cr)**

**SOCIOLOGY MINOR (NON-TEACHING) (21 cr)**

**Required Core (9 cr)**

SOC 101 Introduction to Sociology (3)  
SOC 278 Social Research Methods (3)  
SOC 476 Classical Sociological Theory (3)  
Social Processes and Social Change (3 cr)  
Elect one from the following  
    SOC 255 Changing American Family (3)  
    SOC 374 Cultural Studies (3)  
    SOC 375 Social Change and Development (3)  
    SOC 376 or PSY 376 Social Psychology (3)  
    SOC 379 Sociology of Aging (3)  
Issues in Equality and Social Control (3 cr)  
Elect one from the following  
    SOC 252 Criminology (3)  
    SOC 361 Comparative Ethnic Studies (3)  
    SOC 362 Black (African)-American Culture (3)  
    SOC 363 Sociology of Gender (3)  
    SOC 365 Social Stratification (3)  
    SOC 369 Studies in Deviance (3)  
Social Institutions and Social Structure (3 cr)  
Elect one from the following  
    SOC 353 Sociology of Education (3)  
    SOC 357 Sociology of Religion (3)  
    SOC 451 Political Sociology (3)  
    SOC 455 Global Families (3)  
    SOC 459 Complex Organizations (3)

**Sociology Electives (200-400 level) (3 cr)**

**SOCIOLOGY MINOR (TEACHING) (24 cr)**

**Required Core (15 cr)**

SOC 101 Introduction to Sociology (3)  
SOC 210 Introduction to Anthropology (3)  
SOC 278 Social Research Methods (3)  
SOC 476 Classical Sociological Theory (3)  
SS 391 Secondary History/Social Science Teaching Methods (3)  
Social Processes and Social Change (3 cr)  
Elect one from the following  
    SOC 255 Changing American Family (3)  
    SOC 374 Cultural Studies (3)  
    SOC 375 Social Change and Development (3)  
    SOC 376 or PSY 376 Social Psychology (3)  
    SOC 379 Sociology of Aging (3)  
Issues in Equality and Social Control (3 cr)  
Elect one from the following  
    SOC 252 Criminology (3)  
    SOC 361 Comparative Ethnic Studies (3)  
    SOC 362 Black (African)-American Culture (3)  
    SOC 363 Sociology of Gender (3)  
    SOC 365 Social Stratification (3)  
    SOC 369 Studies in Deviance (3)  
Social Institutions and Social Structure (3 cr)  
Elect one from the following

SOC 353 Sociology of Education (3)  
SOC 357 Sociology of Religion (3)  
SOC 451 Political Sociology (3)  
SOC 455 Global Families (3)  
SOC 459 Complex Organizations (3)

**SOCIOLOGY CONCENTRATION (12 cr)**

SOC 101 Introduction to Sociology (3)  
SOC electives (200-400 level) (9)

**GERONTOLOGY MINOR (20-21 cr)**

HMS 279 Death and Dying (3)  
HMS 379 Health and Physiological Aspects of Aging (3)  
PSY 379 Psychology of Adult and Aging (3)  
SOC 379 Sociology of Aging (3)  
SOC 497 Practicum/Internship (3)  
Select one of the following (5-6 cr)  
NUR 321 Gerontological Nursing (2)  
PSY 349 Psychopharmacology (3)  
PSY 344 Dynamics of Addiction (3)  
SWK 340 Social Welfare Policy (3)



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

[Bachelor of Arts with a Major in Social Science](#)

[Bachelor of Science in Education with a Major in Social Science](#)

### **BACHELOR OF ARTS WITH A MAJOR IN SOCIAL SCIENCE (128 cr)**

**General Education 38 cr**

**Major: 45 credits**

**Required Core (21 cr)**

Elect one general education course from each of the six social science disciplines:

ECON

GEOG

HIST

PHIL

POLS

SOC

Elect one from the following two courses:

HIST 280 Practice and Methods (3), or

SOC 278 Social Research Methods (3)

**Social Science Discipline Specializations (24 cr)**

Elect courses from two of the following five disciplines, 12 credits in each discipline. At least two courses in each discipline specialization must be at the 300/400 level. At least one course within each discipline specialization must be at the 400 level. Courses taken as part of the required core cannot be counted towards the social science discipline specializations.

ECON

GEOG

HIST

PHIL

SOC

**Second Major or Minor and/or Concentration(s) (33-36 cr)**

Concentrations, minors, or second majors may not duplicate either area of social science discipline specializations. We recommend that students minor in a foreign language.

**Electives (9-13 cr)**

**BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN SOCIAL SCIENCE (138cr)**

**General Education (38 cr)**

**Required Core (63 cr)**

ECON 201 Principles of Microeconomics (3)

ECON 202 Principles of Macroeconomics (3)  
ECON 418 History of Economic Thought (3)  
ECON elective (3)  
GEOG 110 Principles (3)  
GEOG 161 World Regional (3)  
GEOG 262 North America (3)  
GEOG Regional elective (3)  
HIST 101 Western Civilization I (3)  
HIST 102 Western Civilization II (3)  
HIST 103 U.S. History to 1877 (3)  
HIST 104 U.S. History from 1877 (3)  
HIST 280 Practice and Method (3)  
HIST electives, one course at the 200-300 level,  
and one course at the 400 level (6 cr)  
    1 course with non-western focus  
    1 course with U.S. or European focus  
POLS 115 American Government (3)  
POLS 116 State and Local Government (3)  
POLS equivalency electives, choose two courses from the following (6)  
    GEOG 355 Political Geography (3)  
    PHIL 330 Political Philosophy (3)  
    SOC 451 Political Sociology (3)  
    CJ 365 Law and Society (3)  
    HIST 330 20th Century U.S. Foreign Policy (3)  
SOC 101 Introduction to Sociology (3)  
SOC 201 Social Problems (3)

**Professional Education Sequence (38 cr)**

ED 201 Introduction to Teaching (1)  
ED 310 Foundations of Education (3)  
ED 320 Curriculum, Planning, and Assessment (3)  
ED 380 Technology in Teaching\* (2)  
ED 460 Managing the Learning Environment\* (2)  
ED 470 Teaching Diverse Learners\* (2)  
ED 480 Clinical Practicum in Education (1)  
ED 493 Student Teaching\* (12)  
SS 390 Secondary History/Social Science Teaching Methods\* (3)  
SPED 110 Introduction to Exceptional Children (3)  
SS 283 Ethnic and Cultural Diversity in America (3)  
Elect one of the following (3)  
    PSY 255 Child and Adolescent Psychology (3)  
    PSY 312 Human Development-Adolescence (3)  
\*Requires admission to Teacher Education



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## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**Program Coordinator:** Joseph Jastrzembki

[Native American Studies Minor](#)

[Native American Studies Concentration](#)

### **NATIVE AMERICAN STUDIES MINOR (21 cr)**

#### **Elect from the following (21 cr)**

- ART 219 Native American Art (2)
  - BIOL 310 Ethnobotany (3)
  - ENGL 265 Native American Literature (3)
  - HIST 261 American Indian History (3)
  - HIST 365 Peoples and Cultures of Native North America (3)
  - HIST 420 Great Plains Indians (3)
  - HIST 430 Native American Social History (3)
  - SOC 210 Introduction to Anthropology (3)
  - SOC 361 Comparative Ethnic Studies (3)
  - SS 283 Ethnic and Cultural Diversity in America (3)
  - SWK 401 Contemporary Issues with Native American Families
- Electives: Other electives, when focused on Native American topics, may be used for NAS credit, subject to instructor and NAS coordinator approval. These may include, but are not limited to, the following:
- HIST 399 Readings in History (1-3)
  - HIST 497 Internship (3)
  - SOC 399 Readings in Sociology (3)
  - SOC 401 Research Project (3)
  - SOC 497 Practicum/Internship (3)
  - SS 399 Readings in Social Science (1-3)

### **NATIVE AMERICAN STUDIES CONCENTRATION (11-12 cr)**

#### **Requirements**

1. Foundation Courses:
  - SS 283 Ethnic and Cultural Diversity in America or
  - SOC 210 Introduction to Anthropology
2. One History course from the NAS course list
3. Two other courses from the NAS course list (excepting the foundation courses).



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Advisor:** Jonathan Wagner

Adequate preparation for entrance into an accredited law school requires a bachelor's degree. No specific college major is required for admission to an American school of law. The Association of American Law School's "Statement of Association Policy on Pre-Legal Education" states that an appropriate pre-law education develops: (1) comprehension and expression in words; (2) critical understanding of the human institutions and values with which the law deals; and (3) creative power in thinking. Therefore, the pre law program takes the form of recommended course in various disciplines and an advising service to help the student shape his/her program to meet specific interests. Advising is also available to aid in preparation for the LSAT and in the selection of a law school. The prelaw student should select a major field of study to demonstrate a mastery of a specific area. Traditionally, pre-law students have majored in the social science fields of economics, history, political science, or sociology. Non-social science disciplines such as criminal justice may also be selected as the major field of study. Selection of a major should be determined by the student's interests and career plans.

- CURRENT STUDENTS
- FUTURE STUDENTS
- ALUMNI & FRIENDS

**Non-degree advising: Pre-Law (128 SH)**

**FIRST YEAR STUDENT (FRESHMAN)**

Fall (16 SH)

ENGL 110 College Composition I (GE1) 3 SH

History (GE2) 3 SH

Lab Science (GE6) 4 SH Electives 6 SH

Spring (15 SH)

COMM 110 Fundamentals of Public Speaking (GE1) 3 SH

Humanities (GE3) 3 SH

Social Science (GE7) 3 SH

Electives 6 SH

**SOPHOMORE**

Fall (16 SH)

ENGL 120 College Composition II (GE1) 3 SH

Humanities (GE3) 3 SH

Lab Science (GE6) 4 SH

Electives 6 SH

Spring (17 SH)

Math (GE5) 4 SH

Wellness (GE4) 2 SH

Social Science (GE7) 3 SH

Electives 9 SH

**JUNIOR**

Fall (16 SH)

Electives\* 16 SH  
Spring (16 SH)  
Electives\* 16 SH

**SENIOR**

Fall (16 SH)  
Electives\* 16 SH  
Spring (16 SH)  
Electives\* 16 SH

\* For the first two years, the pre-law student is advised to take as many general education credits as possible. In addition to fulfilling general education requirements, this broad exposure will allow the student to discover what he or she finds interesting and does well in. Then the student should choose a major, minor and an area of concentration which can be completed in the junior and senior years. The major, minor and concentration courses should have the intellectual skills that will be required for success in law school. In short, any major, minor and concentration that enables the student to develop communication and critical thinking skills will constitute an acceptable major or minor for a future law school candidate.

These four-year matrices are possible with commitment, focus and optimal conditions



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

**Advisor:** Stewart Kelly

The suggested curricula for pre seminary students follows closely the curricula prepared by the American Association of Theological Schools. Such preparation should include an adequate background in English language and literature, history, philosophy, and at least one of the natural sciences. There should be proficiency in at least one foreign language. Additional courses are recommended in the areas of humanities and social sciences. A broad background in history, literature, and culture is recommended before theology and religion courses are attempted.

The student interested in more specialized areas may contact the chairperson of the Division of Social Science for a more detailed program.

**Non-degree Advising: Pre-Seminary (128-129 SH)**

**FIRST YEAR STUDENT (FRESHMAN)**

Fall (14 SH)

- ENGL 110 College Composition I (GE1) 3 SH
- History (GE2) 3 SH
- Math (GE5) 4 SH
- Lab Science (GE6) 4 SH

Spring (15 SH)

- ENGL 120 College Composition II (GE1) 3 SH
- PHIL 101 Introduction to Philosophy 3 SH
- Social Science (GE7) 3 SH
- History Elective 3 SH
- Social Science (GE7) 3 SH

**SOPHOMORE**

Fall (14-15 SH)

- COMM 110 Fundamentals of Public Speaking (GE1) 3 SH
- Humanities (GE3) SH
- SPAN 101, GERM 101, or FREN 101 4 SH
- PHIL 102 Philosophy of Human Nature (GE3) 3 SH
- Wellness (GE4) 1-2 SH

Spring (17 SH)

- ENGL 231 Bible as Literature 3 SH
- Lab Science (GE6) 4 SH
- PHIL 201 Philosophy of Religion 3 SH
- SPAN 102, GERM 102, or FREN 102 4 SH
- ENGL 220 Introduction to Literature 3 SH

**JUNIOR**

Fall (16 SH)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

HIST 341 Renaissance and Reformation 3 SH

PHIL 210 Ethics 3 SH

SPAN 201, GERM 201 or FREN 201 4 SH

HIST 340 Medieval History 3 SH

Elective 3 SH

Spring (18 SH)

HIST 401 Historiography 3 SH

SPAN 202, GERM 202 or FREN 202 4 SH

PSY 411 Introduction to Personality Theories 3 SH

Elective 3 SH

Elective 3 SH

Elective 2 SH

**SENIOR (34 SH)**

Elective 34 SH

These four-year matrices are possible with commitment, focus and optimal conditions



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Course Descriptions A - D

[Accounting](#)

[Art](#)

[Business Administration](#)

[Biology](#)

[Business Information Technology](#)

[Chemistry](#)

[Communication Arts/Broadcasting](#)

[Communication Disorders](#)

[Computer Science](#)

[Criminal Justice](#)

[Driver Traffic Safety](#)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Accounting

**ACCT 102 Fundamentals of Accounting 3 cr.** A basic study of the accounting cycle for a sole proprietorship business.

**ACCT 200 Elements of Accounting I 3 cr.** Basic principles of the complete accounting cycle with emphasis on current assets; property, plant, and equipment; and current liabilities. Prerequisites: BOTE 127 and MATH 103.

**ACCT 201 Elements of Accounting II 3 cr.** A continuation course of ACCT 200 with emphasis on partnerships, corporations, and management accounting. Prerequisite: ACCT 200.

**ACCT 300 Legal Environment of Business 3 cr.** Includes the nature and function of law; contracts and private property as basic concepts in free enterprise; the legal system and evolution of attitudes and law regarding marketing functions and governmental regulation imposed on business activities. Prerequisite: Sophomore, Junior or Senior status and consent of instructor required.

**ACCT 301 Intermediate Accounting I 3 cr.** Begins with a review of the accounting process and the conceptual framework underlying financial accounting. It proceeds to an in-depth study of cash, time value of money, receivables, and inventory. Prerequisites: ACCT 201, BOTE 247, and MATH 146.

**ACCT 302 Intermediate Accounting II 3 cr.** Continues the intermediate sequence with in-depth coverage of operational assets (tangible and intangible), liabilities (current and long-term), stockholder's equity, and investments. Prerequisite: ACCT 301.

**ACCT 303 Intermediate Accounting III 3 cr.** Concludes the intermediate sequence with in-depth coverage of the statement of cash flows, pensions and post retirement benefits, leases, earnings per share, financial statement analysis, accounting for income taxes, accounting changes and error analysis, revenue recognition, and financial reporting. Prerequisite: ACCT 302.

**ACCT 311 Federal Tax I 3 cr.** Applies federal income taxation to individuals, including the preparation and use of individual and small business tax forms. Prerequisite: ACCT 201.

**ACCT 312 Federal Tax II 3 cr.** Concludes the study of individual taxation and proceeds to the study of tax laws as they pertain to corporations, partnerships, fiduciaries, and not-for-profit entities. Prerequisite: ACCT 311.

**ACCT 315 Not-For-Profit Accounting 3 cr.** Covers budgetary accounting, the preparation of reports and statements, and the use of special funds for state and local governmental units, hospitals, colleges and other organizations. Prerequisite: ACCT 201.

**ACCT 321 Managerial Accounting 3 cr.** Emphasizes structuring and analyzing accounting data for internal management decision-making purposes, including: cost-volume-profit analysis, manufacturing costs, relevant costs, budgeting, job-costing and process-costing systems, overhead application, segmented reporting, variable costing, and pricing products and services. Prerequisites: ACCT 201 and BADM 301.

**ACCT 326 Cost Accounting I 3 cr.** Addresses cost behavior and accounting for production and service costs. Focus is on costing systems-services, job order, process, activity based, back flush, operations, and standard costing. Prerequisites: ACCT 201, BOTE 247, and MATH 240.

**ACCT 327 Cost Accounting II 3 cr.** Studies cost allocation concepts, methods, and problems. In addition, decision models and performance measures are examined. Prerequisite: ACCT 326.

**ACCT 330 International Business Law 3 cr.** Provides a study of four major topics: 1) international sales contracts subject to the UN Convention for Contracts for the International Sale of Goods (CISG); 2) North American Free Trade Agreement (NAFTA); 3) General Agreement on Trade and Tariffs (GATT); and 4) remedies/enforcement of the international sales contract. Prerequisite: ACCT 300.

**ACCT 331 Business Law I 3 cr.** Topics include contracts (formation, performance, rights, and remedies), negotiable instruments, and legal matters relating to the financial/banking community. Prerequisites: Junior or senior status and consent of instructor.

**ACCT 332 Business Law II 3 cr.** Topics include Uniform Commercial Code (Art.2, sales contracts), Uniform Commercial Code (Art. 9, secured transactions), employment/agency law. Prerequisite: ACCT 331.

**ACCT 360 Accounting Information Systems 3 cr.** Emphasizes how accounting information systems function in today's business environment. Manual and computer systems will be used to study the processes and procedures by which an organization's financial information is accumulated, classified, processed, analyzed, and communicated. Topics include business cycles, controls, integrated accounting software, spreadsheets, and relational databases. Prerequisites: ACCT 302, ACCT 326, and BIT 320.

**ACCT 401 Advanced Accounting I 3 cr.** Addresses issues related to business combinations and consolidated financial statements. Prerequisite: ACCT 302.

**ACCT 402 Advanced Accounting II 3 cr.** Addresses accounting for foreign operations, segment reporting, home/branch accounting, interim financial reporting, accounting for estates/trusts, corporate reorganizations/liquidations, and partnership accounting. Prerequisite: ACCT 302.

**ACCT 430 Auditing I 3 cr.** Introduces the standards and procedures necessary for the independent auditor to employ in the evaluation of the entity's periodic income and financial position. It emphasizes report writing, ethics, legal liability, planning/evidence gathering, and internal control. Prerequisite: ACCT 302.

**ACCT 431 Auditing II 3 cr.** Completes the coverage of basic auditing concepts. Audit procedures are applied to the basic operating cycles and specific balance sheet accounts. Also discussed are statistical sampling techniques and auditing EDP systems. Prerequisites: ACCT 430 and MATH 240.

**ACCT 497 Accounting Internship 2-12 cr.** Refers to supervised professional experience in public, industrial, governmental, or non-profit accounting. Students must meet standards set by both the employer and the Accounting Department. A maximum of 2 credits count toward the major with the remaining credits counting as electives. This course is restricted to accounting majors. Consent of program coordinator required.

**ACCT 499 Special Topics.** Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offering and current topics.

## **Art**

**ART 101 Introduction to Studio Art 2 cr.** (GE4) An introductory studio art course designed to familiarize the non-art major with the basic painting, printmaking, sculptural, jewelry, and ceramic processes.

**ART 110 Introduction to Art 2 cr.** (GE3) Study and appreciation of visual arts. Two hour lecture.

**ART 112 Computer Graphics 2 cr.** (GE4) An introduction to the computer as it applies to page layout, digital imaging, and the visual arts. Four studio hours per week. This course is restricted to art and art education majors.

**ART 122 Two-Dimensional Design 2 cr.** (GE4) A basic course in the study of two-dimensional design for the studio artist. Four studio hours per week. This course is restricted to art and art education majors.

**ART 123 Color and Design 2 cr.** Study of color properties and structural devices and their contribution to visual organization. Four studio hours per week. Prerequisite: ART 122 or consent of instructor.

**ART 124 Three-Dimensional Design 2 cr.** A basic course in the study of three-dimensional design for the studio artist. Four studio hours per week. Prerequisite: ART 122 or consent of instructor.

**ART 130 Drawing I 2 cr.** Introduction to basic drawing techniques through a variety of materials. Four studio hours per week.

**ART 140 Crafts 2 cr.** (GE4) Introduction to basic crafts. Four studio hours per week.

**ART 201 Art Methods for Elementary Education 2 cr.** Methods of teaching art in elementary education. Four studio hours per week.

**ART 204 Jewelry I 2 cr.** (GE4) Introduction to basic jewelry techniques, design, and materials. Four studio hours per week.

**ART 210 Art History I 3 cr.** (GE3) A survey of western art from Paleolithic to Renaissance.

**ART 211 Art History II 3 cr.** (GE3) A survey of western art from Renaissance to present.

**ART 213 Graphic Design I 2 cr.** Introduction to the elements and practice of typography with emphasis on typefaces and letterforms in graphic design. Four studio hours per week. Prerequisites: ART 112, ART 123, 130 or consent of instructor.

**ART 214 Graphic Design II 2 cr.** Application of problem solving skills for visual communications as applied to the history of graphic design. Four studio hours per week. Prerequisite: ART 213 or consent of instructor.

**ART 219 Native American Art 2 cr.** Art and crafts of the indigenous people of North America through a study of the artifacts and contemporary work.

**ART 220 Painting I 2 cr.** Introduction to basic painting through a variety of materials. Four studio hours per week. Prerequisite: ART 123.

**ART 225 Watermedia I 2 cr.** Introduction to basic watermedia painting for the studio artist. Four studio hours per week. Prerequisite: ART 123 or consent of instructor.

**ART 231 Figure Drawing I 2 cr.** Introduction to basic figure drawing. Four studio hours per week. Prerequisite: ART 130 or consent of instructor.

**ART 250 Ceramics I 2 cr.** (GE4) Introduction to basic ceramic techniques. Four studio hours per week.

**ART 265 Sculpture I 2 cr.** Introduction to basic sculpture materials and techniques. Four studio hours per week. Prerequisite: ART 124.

**ART 270 Printmaking I 2 cr.** Introduction to basic printmaking techniques and materials. Four studio hours per week. Prerequisites: ART 123 and 130 or consent of instructor.

**ART 280 Photography I 2 cr.** (GE4) Introduction to basic photography. Four studio hours per week.

**ART 299 Special Topics 1-3 cr.** Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offerings of current topics. Prerequisite:

Consent of instructor.

**ART 322 Graphic Design III 2 cr.** An advanced exploration of graphic design and the assembling of an exiting portfolio. Four studio hours per week. Prerequisite: ART 214

**ART 323 Illustration Techniques 2 cr.** Introduction to materials, techniques, and problem solving skills used in illustration. Four studio hours per week. Prerequisite: ART 322.

**ART 331 Drawing III 2 cr.** Advanced problems in drawing including still-life figure drawing, group composition, and style. Four studio hours per week. Prerequisites: ART 220 and 231.

**ART 333 Painting II 2 cr.** Continuation of ART 220 with emphasis on independent development of technique, composition, and style. Four studio hours per week. Prerequisites: ART 220 or consent of instructor.

**ART 334 Painting III 2 cr.** Continuation of ART 333. Four studio hours per week. Prerequisite: ART 333 or consent of instructor.

**ART 341 Sculpture II 2 cr.** Continuation of ART 265. Four studio hours per week. Emphasis on independent development of technique and style. Prerequisite: ART 265 or consent of instructor.

**ART 351 Ceramics II 2 cr.** Advanced development of the individual ceramist-teacher in studio experience related to clay bodies, glazes, and firing procedures. Four studio hours per week. Prerequisite: ART 250 or consent of instructor.

**ART 352 Ceramics III 2 cr.** Continuation of ART 351. Four studio hours per week. Emphasis on independent development of the technique and style. Prerequisite: ART 250 and 351.

**ART 361 Printmaking II 2 cr.** Basic experiences in intaglio printing techniques with emphasis upon imaginative expression in these media. Four studio hours per week. Prerequisites: ART 123 and 130 or consent of instructor.

**ART 362 Printmaking III 2 cr.** Continuation of 270 and 361 with emphasis on independent development of technique, composition, and style. Four studio hours per week. Prerequisite: ART 270 or 361 or consent of instructor.

**ART 370 Photography II 2 cr.** Course emphasis will encourage exploration and production in photographic media not studies in restrictive basic courses. Four studio hours per week. Prerequisite: ART 280 or consent of instructor.

**ART 371 Photography III 2 cr.** Continuation of Art 370 with emphasis on independent development of technique, composition and style. Four studio hours per week. Prerequisite: ART 280 and ART 370 or consent of instructor.

**ART 380 Watermedia II 2 cr.** Continuation of ART 225 with renewed emphasis on development of an individualized technique, style, and concept though acrylic as well as transparent watercolor. Four studio hours per week. Prerequisites: ART 123 and 225.

**ART 390 Art Methods 2 cr.** Basic experience in organizational techniques and classroom

presentation as they apply specifically to the public school art class. Prerequisites: Admittance to Teacher Education and ART 122, 130, 140, 201 or consent of instructor.

**ART 410 Advanced Independent Drawing 1-16 cr.** Open to advanced art students for independent involvement in drawing. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 411 Advanced Independent Painting 1-16 cr.** Open to advanced art students for independent involvement in painting. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 412 Advanced Independent Ceramics 1-16 cr.** Open to advanced art students for independent involvement in ceramics. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 413 Advanced Independent Sculpture 1-16 cr.** Open to advanced art students for independent involvement in sculpture. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 414 Advanced Independent Graphic Design 1-16 cr.** Open to advanced art students for independent involvement in graphic design. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art and art education majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 415 Advanced Independent Jewelry 1-16 cr.** Open to advanced art students for independent involvement in jewelry. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 416 Advanced Independent Crafts 1-16 cr.** Open to advanced art students for independent involvement in crafts. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 417 Advanced Independent Photography 1-16 cr.** Open to advanced art students for independent involvement in photography. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 418 Advanced Independent Printmaking 1-16 cr.** Open to advanced art students for independent involvement in printmaking. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 419 Advanced Independent Computer Graphics 1-16 cr.** Open to advanced art students for independent involvement in computer graphics. A preliminary outline of proposed studio work and approach is required. Critiques with art staff required. (A minimum of four clock-hours per credit per week.) This course is restricted to art majors. Prerequisite: consent of instructor or advanced status. May be repeated for a total of 16 credits.

**ART 420 Art Internship 1-16 cr.** This course is offered for variable credit. It is an internship in any of the following areas: art gallery administration, and professional studio apprenticeship. A minimum of four clock-hours per credit hour per week.

**ART 422 Digital Design 2 cr.** The exploration of multimedia and web page design as related to visual communication. Prerequisite: ART 322 or consent of instructor.

**ART 423 Digital Design Lab 1 cr.** An exploration of multimedia software. This course is restricted to art majors. Corequisite: ART 422

**ART 425 Professional Practices 2 cr.** Introduction to the business of being a professional artist. Includes a comprehensive exhibit of the student's creative work prior to graduation. Prerequisite: Senior status. Must enroll two semesters prior to anticipated graduation.

**ART 497 Art Internship 1-16 cr.** This course is offered for variable credit. It is an internship in any of the following areas: graphic design, and professional studio apprenticeship. A minimum of four clock- hours per credit hour per week.

**ART 499 Special Topics 1-3 cr.** Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offerings of current topics. Prerequisite: Consent of instructor.

### **Business Administration**

**BADM 120 Fundamentals of Business 3 cr.** Acquaints the student with the American free enterprise system. Topics include consumer rights, personal finance, business ethics, employment and careers in finance, management, marketing, and international business. This course may not be taken by business majors during their final two semesters. An excellent course for beginning business students and nonbusiness majors.

**BADM 205 Supervisory Management 3 cr.** Focuses on the primary functions associated with the supervision of employees. The course explores the relationship between supervisors and employees, the organizational framework in which supervisors must operate, employee hiring, motivation, and discipline. Beginning business students, nonbusiness majors, and employees in beginning supervisory positions will find this to be a valuable course.

**BADM 282 Professional Development 2 cr.** Provides students with the knowledge and skills that are needed for entering the job market, including the determination of clear career goals and

objectives, determination of specific career paths, searching for positions, analysis of prospective employers, development of effective resumes and interviewing for positions.

**BADM 301 Fundamentals of Management 3 cr.** Focuses on the nature of management, the evolution of management thought, strategic management and planning concepts, decision making and creative problem solving, and motivation and leadership in a changing environment. Prerequisite: sophomore status.

**BADM 303 Human Resource Management 3 cr.** Includes personnel policies, programs, and procedures, standards, employment, staffing, wage and salary administration, personnel laws, and personnel research. Prerequisite: BADM 301.

**BADM 309 Safety Management 3 cr.** Introduces safety management in the work place and its application to the law, OSHA, cost analysis, program organization, and safety program administration. Prerequisite: BADM 301.

**BADM 321 Marketing 3 cr.** Acquaints students with the understanding of problems involved in getting goods from the producer to the user. Distribution channels and the different functions of marketing intermediaries are studied. Marketing cases and simulations are stressed. Prerequisite: sophomore status.

**BADM 322 Professional Selling 3 cr.** Introduces the basic principles that underline selling and the steps in making a sale (prospecting, approaches, objections, presentations, demonstrations, closing). Practical illustrations and demonstrations are employed. Prerequisite: BADM 321.

**BADM 323 Retailing 3 cr.** Examines the basic principles and methods of retail merchandising, store location and layout, buying, selling, stock and inventory control, management of personnel for retail merchandising, and also the interactive marketing systems that use the advertising media to effect a measurable response by using the elements of marketing mix to sell directly to both consumers and other businesses, by-passing retail stores and personal sales calls. Prerequisite: BADM 321.

**BADM 324 Integrated Marketing Communications 3 cr.** Acquaints students with the role of integrated marketing communications concepts and practices in enhancing the equity of brands, and provides thorough coverage of all aspects of an IMC program: advertising, promotions, packaging, and branding strategies, point of purchase communications, marketing oriented public relations, and event and cause oriented sponsorships. Prerequisite: BADM 321.

**BADM 326 New Product Development 3 cr.** Focuses on the new product development and planning process, the management of new product introduction into the marketplace, and pricing. Includes idea generation, concept testing, screening, technical development, market testing, and the launching of new products into the market. Prerequisites: BADM 321.

**BADM 327 Services Marketing 3 cr.** Explores the essential characteristics of services marketing, the features that distinguish services for goods, and their implications for marketing decisions. Prerequisites: BADM 321.

**BADM 328 Direct Marketing 3 cr.** Examines interactive marketing systems that use one or more advertising media to effect a measurable response by using the elements of the marketing mix to sell directly to both consumers and other businesses, by-passing retail stores and personal sales

calls. Prerequisites: BADM 321.

**BADM 329 Marketing Management 3 cr.** Emphasizes analysis, planning, implementation, and control of programs designed to integrate marketing concepts in the exchange process with target markets to achieve organizational objectives. Prerequisites: BADM 301, 321.

**BADM 391H Seminar in Business Issues 3 cr.** Challenges the honors student to develop critical thinking skills, apply these skills to various business issues, cultivate well thought-out opinions, and defend these opinions against others. Honors Program admission or 3.30 cumulative GPA and permission of instructor is required.

**BADM 401 Entrepreneurship/Small Business Management 3 cr.** Focuses on the most common problems encountered by owners, managers, and entrepreneurs in organizing and operating small enterprises. Topics include legal requirements and financial, marketing, promotional, human resource management, and organizational strategies. Prerequisites: BADM 301, 321, and BADM 353 or FIN 353.

**BADM 406 Professional Business Ethics 3 cr.** Studies of ethical issues faced by businesses including distributive justice, capitalism, decision-making, corporate responsibility, corporate morality, governance, whistle-blowing, hiring policies, codes of ethics, advertising, safety, pollution, and foreign business practices. Prerequisites: BADM 301 and senior status.

**BADM 408 Negotiations 3 cr.** The study of negotiation to include framing, strategizing, planning, tactics, negotiating, and settlement. The course of study includes individual, organizational, and collective bargaining processes. It also includes practical applications of bargaining processes through group projects. Prerequisites: BADM 301.

**BADM 409 International Business 3 cr.** Introduces conceptual and operational problems of participating in international business. Coverage includes a study of managerial, marketing, financial, accounting, legal, economic and cultural environments in foreign markets for the conduct of world business. Prerequisites: BADM 301 and 321.

**BADM 416 Production Management 3 cr.** Introduces the concepts, issues, and problems of operations management and the management of the production function. Problems are analyzed and solutions are recommended. Microcomputer applications are addressed. Prerequisites: A course in statistics, BADM 301 and MATH 240.

**BADM 421 Applied Business Research 3 cr.** Explores the full range of activities involved in the marketing research process for business including research and measurement concepts, sampling and field work, and data analysis and presentation. Prerequisites: BADM 321, MATH 240.

**BADM 424 Logistics and Channel Management 3 cr.** Explores channels of distribution considering behavioral, social, and economic aspects of the distribution system to include transportation, inventory management, order processing, purchasing, warehousing, materials handling, packaging, customer service, and product scheduling. Prerequisite: BADM 321.

**BADM 427 International Marketing 3 cr.** Introduces the essentials of conducting international marketing operations to include estimating market potential, developing entry strategies, and managing and controlling marketing programs. Prerequisite: BADM 321.

**BADM 434 Cultural Environment of International Business 3 cr.** Examines the impact of culture on business practices. This is accomplished by building a holistic understanding of each subject culture through analysis of the culture's belief system, government, human/family system, history, and economic system. Prerequisite: BADM 301.

**BADM 436 Organizational Behavior Principles and Practices 3 cr.** Includes the principles, concepts, and processes that interpret human relations in management at the individual, group, and organizational levels. Prerequisite: BADM 301.

**BADM 437 International Management 3 cr.** Introduces the student to the management process in an international setting. It includes an examination of comparative management systems and environmental conditions for making effective decisions in an international context. Strategies for adapting to different cultures, economics, and political systems are emphasized. Prerequisite: BADM 301 and senior status.

**BADM 462 International Business Strategy 3 cr.** Provides an international business capstone experience. Case studies illustrating international business decisions and operations are emphasized. Prerequisites: BADM 409.

**BADM 465 Strategic Management 3 cr.** An analysis of the objectives of business firms and the development and evaluation of strategies and policies designed to meet these objectives. Cases are emphasized. Prerequisites: BADM 301, 321 and 353 or FIN 353.

**BADM 496 Business Consulting 3 cr.** Junior/senior level students consults with area businesses in conjunction with faculty advisors. An excellent opportunity for students to apply business knowledge to real life business situations. Prerequisite: consent of instructor.

**BADM 497 Internships 2-9 cr.** A cooperative occupational training program in the area of marketing, finance, and management. Course is offered on pass/fail basis. Maximum of 3 credits will count toward major. Prerequisites: junior status, BADM major and consent of instructor. Repeatable up to 9 credit hours.

**BADM 499 Special Topics in Business Administration 1-8 cr.** Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offerings of current topics.

## **Biology**

**BIOL 111 Concepts of Biology 4 cr.** (GE6) This course is designed to accommodate one semester of the general education requirement for non-science majors at Minot State University. The course will focus on a comprehensive survey of modern biology with an emphasis on enhancing the science literacy of the college educated student. Topics will include, but not limited to: cell biology, genetics, evolution by natural selection, systematics, and the impact of human activity on the biosphere. Where appropriate, topics will be illustrated with examples of the human animal and at all times the course will reflect the five strands of a general education course. Lecture, 3 hours; laboratory, 2 hours.

**BIOL 103 Introduction to Clinical Laboratory Science 1 cr.** Designed to acquaint first year student (freshman) medical technology students with the depth and breadth of this field. Students visit medical technology departments at local hospitals. The course is presented by the education

coordinators at local hospitals. Lecture, 1 hour.

**BIOL 115 Human Structure and Function 4 cr.** (GE6) Structure and function of the human body. Anatomy and physiology of major body systems is emphasized. Lecture, 3 hours; laboratory, 2 hours.

**BIOL 142 General Microbiology 4 cr.** (GE6) A survey of microbial cell biology, microbial genetics, microbial interaction with humans, and the impact of microorganisms on the environment. Lecture, 3 hours; laboratory, 2 hours.

**BIOL 150 General Biology I: Introduction to Cellular Biology 4 cr.** (GE6) Introduction to fundamental concepts of biology at the level of the cell including: bioenergetics, cell structure, physiology principles, genetic function and inheritance. Lecture, 3 hours; laboratory, 2 hours.

**BIOL 151 General Biology II: Introduction to Zoology 4 cr.** (GE6) The biology of animals is covered beginning with an emphasis on the underlying cellular structure and physiology and expanding towards larger whole organism features that are difficult to predict from cell biology. The general patterns of animal life are covered. In an effort to connect the general principles offered in this course to one's daily life (e.g., cellular respiration, excretion, muscle structure and function), an emphasis is placed on mammalian systems. Lecture, 3 hours; laboratory, 2 hours.

**BIOL 154 Introduction to Botany 4 cr.** (GE6) Introduction to the biology of plants emphasizing evolution and diversity, plant anatomy and development, water and mineral nutrition, photosynthesis, and plant ecology. Lecture, 3 hours; laboratory, 2 hours.

**BIOL 215 Genetics 4 cr.** Introduction to principles of genetics including: inheritance, DNA and chromosomes, gene regulation, evolution, and genetic engineering. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: BIOL 150

**BIOL 220 Anatomy and Physiology I 4 cr.** Structure and function of the human body dealing with the chemical, cellular, and tissue levels of organization and integumentary, skeletal, muscular, and nervous systems. Lecture, 3 hours; laboratory, 2 hours.

**BIOL 221 Anatomy and Physiology II 4 cr.** Structure and function of the human body dealing with the digestive, cardiovascular, respiratory, lymphatic, endocrine, reproductive, and urinary systems; special senses and metabolism, fluid and electrolyte, and acid-base balance; metabolism and energetics. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: BIOL 220.

**BIOL 250 Cellular Biology 4 cr.** An advanced cell biology designed for biology majors with an emphasis on biological chemistry, membrane structure and transport, cellular energy metabolism, protein synthesis and modification, subcellular organelle structure and function, and the cell biology of the nucleus. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: BIOL 150.

**BIOL 301 Evolution 4 cr.** 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. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154, 215.

**BIOL 310 Ethnobotany 3 cr.** Native and introduced plants in Native American culture with emphasis on food, medical, habitational, and ritual uses. Lecture, 3 hours.

**BIOL 325 Entomology 4 cr.** Classification, taxonomy, morphology, identification, life histories, interrelationships, and economic importance of insects. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 330 Biogeography 4 cr.** This course will describe the spatial patterns in the distribution of species and will examine how abiotic and biotic factors are hypothesized to result in these patterns. Lecture, 3 hours; recitation, 1 hour. Prerequisites: BIOL 150, 151, 154.

**BIOL 335 Comparative Anatomy 4 cr.** Comparative study of organ systems of a series of vertebrates. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154, and PHYS 203.

**BIOL 340 Systematic Zoology 4 cr.** Evolution, classification, taxonomy, and identification of invertebrates and vertebrates. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 346 Developmental Biology 4 cr.** Principles of development as shown in representative plant and animal forms. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 347 General Ecology 4 cr.** Plants and animals in their environment. An ecosystem approach is used. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 349 Plant Physiology 4 cr.** Physiological processes of plants with special emphasis on nutrition, metabolism, growth and development. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 350 Freshwater Biology 4 cr.** Biological, chemical, and physical characteristics of inland waters including origins, interrelationships and the effect of civilization. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 360 Morphology of Vascular Plants 4 cr.** Structure and development of vascular plants with special emphasis on evolutionary trends. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 401 Population Genetics 4 cr.** This course explores the mechanics of evolution from the viewpoint of allelic frequencies. It begins with the basic theory of Hardy Weinberg equilibrium and expands that theory to embrace linkage disequilibrium, selection in single-locus and multifocus systems, genetic drift, and the effects of mutation rates, population size, and migration on the genetic structure of populations. Exposure is given to classic ideas (e.g., shifting balance theory and runaway sexual selection) and to applications of theory (e.g., breeding designs, conservation genetics). Lecture, 3 hours; recitation 1 hr. Prerequisites: BIOL 150, 151, 154, 215.

**BIOL 406 Clinical Laboratory Science 36 cr.** Students spend three semesters training in a hospital clinical laboratory. Summer semester: Immunohematology I, Chemistry Theory, Clinical Laboratory I, Hemostasis, Microscopy and Urinalysis, Body Fluids, Immunohematology Theory, Microbiology Theory and Laboratory. Fall semester: Immunohematology II, Chemistry I, Hematology I, Clinical Laboratory II, Microbiology I, Clinical Laboratory III, Immunology, Medicaly

Mycology. Spring semester: Financial and Quality Management of the Clinical Laboratory, Chemistry II, Immunohematology III, Hematology II, Microbiology II.

**BIOL 420 Co-op Practicum 4-8 cr.** A cooperative program with industry, state, and federal agencies for an in-depth study of a specialized aspect of biology. Students spend approximately 25 clock hours per semester hour for the practicum. Prerequisites: 2 years of biology or consent of biology coordinator.

**BIOL 430 Pre-Veterinary Practicum 3 cr.** This program is designed to give MSU students a hands-on experience in veterinary medicine. The students spend about 80 hours per semester for the practicum. Prerequisite: 2 years of biology.

**BIOL 440 Pre-Med Practicum 3 cr.** This program is designed to give MSU students a basic understanding of the hospital and its functions. Students spend approximately 90 hours per semester in the various departments and the family practice clinic. Students are supervised by the physicians involved in the program while the program is coordinated by a biology professor on campus. Prerequisite: Consent of instructor.

**BIOL 448 Systematic Botany 4 cr.** Classification and taxonomy of seed plants with emphasis on local flora. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 450 Parasitology 4 cr.** Morphology, taxonomy, and life histories of the endemic, exotic, and zoonotic parasites of the animal kingdom. Diseases caused by parasites are also presented. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: BIOL 221.

**BIOL 455 Hematology 4 cr.** Study of the blood and hematologic disorders including anemia, leukemia, and other blood dyscrasias. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: BIOL 221.

**BIOL 458 Anatomy of Seed Plants 4 cr.** Development of cells, tissues, and organs in seed plants. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154.

**BIOL 460 Herpetology 4 cr.** Herpetology is the study of reptiles (exclusive of birds) and amphibians; this includes extant groups (e.g., frogs) and extinct groups (e.g., dinosaurs). This course begins with the phylogeny, history, and taxonomy of "herps" (i.e., reptiles and amphibians) and progresses to coverage of physiology, ecology, and behavior.

**BIOL 465 Immunology 4 cr.** Principles and techniques of immunology and serology. Lecture, 3 hours; laboratory, 3 hours. Corequisite: BIOL 455. Prerequisites: BIOL 142, CHEM 240.

**BIOL 475 Clinical Microbiology 4 cr.** Isolation, identification and clinical application of pathogenic microorganisms. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: BIOL 142.

**BIOL 480 Molecular Biology 4 cr.** This course covers a variety of topics concerning the macromolecules of living cells, focusing on nucleic acids and proteins. Major areas of study include: DNA replication and transcription, protein synthesis (translation), and comparison of processes in prokaryotic and eukaryotic cells. The latter part of the course will focus on mechanisms of gene expression, the molecular genetics of cancer, and applied molecular biology. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150, 151, 154, 215, 250.

**BIOL 492 Directed Research 1-8 cr.** The faculty of the Department of Biology considers research a valuable component of the curriculum. The content and extent of research projects are determined by the student and a faculty sponsor. The research may be in the lab or field and is intended to help the student develop a greater appreciation of the scientific process. While publication is not a requirement, all projects have a goal of producing publishable results. A successful experience in research can be an asset for graduate studies and many careers in biology. Prerequisites: BIOL 150, 151, 154.

### **Business Information Technology**

Courses with BOTE prefix are recognized as common courses across the North Dakota University System.

**BOTE 102 Keyboarding I 3 cr.** Basic instruction and practice in using the alphanumeric keyboard. Emphasis on proper fingering for touch operation of the keyboard, development of speed and accuracy, and exploration of business document formatting. Offered online only.

**BOTE 108 Business Math 3 cr.** Review of mathematical fundamentals with emphasis on business applications and problem solving. Offered online only.

**BOTE 127 Information Processing 3 cr.** Introduction to computer concepts, hardware and software applications, operating systems, word processing, spreadsheets, presentations, and Internet. Course may be waived if student holds MOUS certification in Word, Excel, and Power Point at the specialist level.

**BOTE 147 Word Processing 3 cr.** Use of current word processing software to create professional business documents including letters, memos, reports, tables, forms, brochures, and graphic aids. Advanced features in printing, macros, and merging also practiced. Prerequisite: BOTE 102 or at least one semester of high school keyboarding. Offered online only.

**BOTE 152 Keyboarding II 3 cr.** Development of speed and accuracy in keyboarding straight copy and production activities. Emphasis placed on formatting and keying various business documents including memos, letters, reports, and tables from straight copy, rough drafts, and unarranged material. Prerequisite: BOTE 102 or at least one semester of high school keyboarding. Offered online only.

**BIT 235 Introduction to Web Site Design 3 cr.** Basics of web site design using HTML code and web editing software. Prerequisites: BOTE 127 or approval waiver.

**BIT 236 Desktop Publishing and Design 3 cr.** Hands-on computer course that surveys current software packages in the area of desktop publishing. Prerequisite: BOTE 127 or approved waiver.

**BOTE 247 Spreadsheet Applications 3 cr.** Intermediate and advanced use of application software for creation of spreadsheets, graphs, databases, and macros. Integration with other software applications is also reviewed. Prerequisite: BOTE 127, or approved waiver.

**BIT 312 Database Theory and Application 3 cr.** Emphasis on database principles, concepts, theory, and applications. Students will study the methods and techniques used to conceptually and physically design a relational database. Prerequisite: BOTE 127 or approved waiver.

**BIT 318 Business Communication 3 cr.** Focuses on oral, written and nonverbal communication skills used in business. Emphasis on virtual and global communication, listening and collaborative communications skills, and enhancement of communication using multimedia. Co-requisite: BADM 301. Prerequisite: ENGL 110, BOTE 127 or approved waiver and BADM 301.

**BIT 320 Management Information Systems 3 cr.** Designed to introduce issues relevant to management information systems and to assist in preparing students to become managers of business information systems. Students are exposed to methods for acquiring, organizing, monitoring, and controlling information system resources and addressing management problems using computerized information systems. Prerequisites or Corequisites: BOTE 127, BADM 301.

**BIT 333 COBOL Programming I 3 cr.** Includes the study of the compiler language COBOL with programming emphasis on business applications. Course also includes study of structured programming concepts; input, output, and data movement; arithmetic statements; IF statements and conditions; sequential filing and sorting; simple report creations; and tables. Offered on campus spring; online summer. Prerequisite: BOTE 127 or approved waiver and CSCI 120.

**BIT 342 Advanced Web Site Design 3 cr.** Enhancement of students' skills to plan and develop well-designed web sites that combine effective navigation with the balanced use of graphics, text, and color. Offered on campus spring; online fall and summer. Prerequisite: BIT 235 and BIT 236.

**BIT 356 Business Data Communications 3 cr.** Introduces a business user's approach to data communications and computer networking concepts. Offered on campus spring; online fall. CSCI 440 cannot be substituted for BIT 356. Prerequisites: BOTE 127 and BIT 320.

**BIT 358 Networking for Managers 3 cr.** Application of concepts in planning, designing, implementing and supporting computer networks. Offered on campus fall; online spring and summer. Prerequisite: BIT 356

**BIT 370 E-Commerce Technology 3 cr.** Designed to give students the tools necessary to complete in the global market via the Internet. A business web site will be created. Offered on campus fall, online spring, summer. Prerequisite: BIT 235, 320.

**BIT 385 Technology Management 3 cr.** Introduction of hardware/software selection, troubleshooting in a lab, and managing a network. Course waived with A+ certification. Prerequisite: BOTE 127.

**BIT 391 Methods of Teaching Business 3 cr.** Emphasizes the competencies needed for preservice teachers that may apply to the teaching of any business course. Special emphasis placed on classroom management strategies, unit development, lesson planning, evaluation and assessment options, along with other activities pertaining to the actual teaching experience. Offered on campus fall. Prerequisite: Admission to teacher education.

**BIT 421 Philosophy of Career and Technical Education 3 cr.** Addresses the history, growth, legislation, and elements of career and technical education. Students research principles and practices of vocational business education and their relationship to general business education and other areas of career and technical education. Offered on campus fall. Co-requisite: BIT 423. Prerequisite: Admission to teacher education and junior status.

**BIT 423 Coordinating Techniques 2 cr.** Study of cooperative office and other work experience

programs. Principles in developing career and technical education materials as well as the utilization of community resources are presented. Study of business education curriculum is also included. Offered on campus fall. Co-requisite: BIT 421. Prerequisite: junior status and admission to teacher education.

**BIT 452 Database Program Development 3 cr.** Covers database applications in a client serve environment. Offered on campus spring; online fall. Prerequisite: BIT 312.

**BIT 453 Systems Analysis 3 cr.** Introduction to the concepts, tools, and techniques required when analyzing a business problem. Offered on campus and online fall. Prerequisite: senior status or consent of instructor.

**BIT 454 Systems Design 3 cr.** Introduction to the methodologies, tools, and techniques required to create the physical information system based on the conceptual and logical design. Offered on campus and online spring only. Prerequisites: BIT 453 and Senior status or consent of instructor.

**BIT 460 Current and Emerging Issues in MIS 3 cr.** Introduces students to technology issues and trends in the corporate MIS environment. Offered on campus spring; online fall and summer. Prerequisites: Senior status and MIS major.

**BIT 470 Projects in MIS 3 cr.** Application of concepts learned from courses taken in the College of Business core and Management Information Systems core to real world projects. Prerequisite: Senior status. Restricted to MIS majors.

**BIT 497 Internship 3-9 cr.** Internship allows the student to combine an on-the-job learning experience with related academic coursework. Prerequisite: Senior status, restricted to MIS majors.

**BIT 499 Special Topics 1-4 cr.** Topics will vary from year to year.

## **Chemistry**

**CHEM 110 Survey of Chemistry 4 cr.** (GE6) An introductory course covering topics that concern students' everyday lives. This course is designed for liberal arts and general education students. The course consists of an introduction to the science and includes historical perspectives. The course is intended to present chemistry in its broad cultural, social, and economic context. Lecture, 3 hours; laboratory, 2 hours.

**CHEM 115 & 115L Introductory Chemistry 4 cr.** (GE6) Presents knowledge of concepts of chemical principles in greater depth and with more mathematical applications than in CHEM 110. Includes studies of general inorganic principles. Lecture, 3 hours; laboratory, 2 hours. Corequisite: MATH 102 or 103.

**CHEM 121 & 121L General Chemistry I 5 cr.** (GE6) This course is the first of a two-semester sequence primarily intended for students majoring in science and science-related fields. Topics likely to be covered in this semester include: matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, and gases. Lecture, 3 hours; recitation, 1 hour; laboratory, 3 hours. Corequisite: MATH 103. Note: CHEM 121 and 121L must be taken concurrently.

**CHEM 122 & 122L General Chemistry II 5 cr.** (GE6) This course is the second of a two-semester sequence primarily intended for students majoring in science and science-related fields. Topics likely to be covered in this semester include: intermolecular forces, liquids, solids, kinetics, equilibria, acids, bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Lecture, 3 hours; recitation, 1 hour; laboratory, 3 hours. Prerequisite: CHEM 121/121L. Note: CHEM 122/122L must be taken concurrently.

**CHEM 220 Descriptive Inorganic Chemistry 4 cr.** This course is intended for students majoring in chemical education and is designed to acquaint students with a working knowledge of the reactions and properties of inorganic compounds. Offered alternate years. Lecture, 3 hours; laboratory, 2 hours. Prerequisites: CHEM 122/122L and MATH 103.

**CHEM 230 Quantitative Analysis 5 cr.** A course in quantitative chemistry including gravimetric and volumetric analysis, statistical treatment of data, and an introduction to some instrumental analysis. Lecture, 3 hours; laboratory, 6 hours. Prerequisites: CHEM 122/122L.

**CHEM 240 Fundamentals of Organic Chemistry 5 cr.** Theory of bonding and structure in organic molecules and their reactions. An emphasis on functional groups related to biological molecules. This course presents the minimum preparation for CHEM 480. Offered in the fall. Lecture, 4 hours; laboratory, 2 hours. Prerequisites: CHEM 122/122L.

**CHEM 341 Organic Chemistry I 5 cr.** A study of the different classes of organic functional groups, their nomenclature, reactions, and properties. An introduction to Infrared and Nuclear Magnetic Resonance Spectroscopy is included. Offered in the fall. Lecture, 3 hours; laboratory, 3 hours; recitation, 1 hour. Prerequisites: CHEM 122/122L.

**CHEM 342 Organic Chemistry II 5 cr.** A continuation of CHEM 341. A study of the chemical and mechanistic properties of organic functional groups. Offered in the spring. Lecture, 3 hours; laboratory, 3 hours; recitation, 1 hour. Prerequisite: CHEM 341.

**CHEM 360 Principles of Physical Chemistry 4 cr.** This course is designed for students interested in chemical education at the secondary level. Topics include gas laws, thermodynamics, equilibria, kinetics, quantum mechanics, and spectroscopy. Offered alternate years. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: CHEM 230 and MATH 107.

**CHEM 380 Environmental Chemistry 4 cr.** The course examines the interaction of chemical substances with the environment. Emphasis is placed on water quality and air quality. Offered alternate years. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: CHEM 230.

**CHEM 420 Inorganic Chemistry 3 cr.** An advanced course in inorganic chemistry, including theories of covalent and ionic bonding, crystalline structure, coordinate covalent bonding, group theory, and coordination chemistry. Offered alternate years. Lecture, 3 hours. Prerequisite: CHEM 122, MATH 165.

**CHEM 422 Inorganic Synthesis 1 cr.** Applied techniques in inorganic synthesis and compound characterization. Offered on demand. Laboratory, 3 hours. Prerequisite: Consent of instructor. Corequisite: CHEM 420.

**CHEM 430 Instrumental Analysis 5 cr.** A survey of instrumental methods used for chemical analysis. These methods include molecular absorption, atomic absorption and emission,

fluorescence and phosphorescence, infrared absorption chromatography, nuclear magnetic resonance and mass spectrometry. Offered alternate years. Lecture, 3 hours; laboratory, 6 hours. Prerequisite: CHEM 230.

**CHEM 440 Organic Spectroscopy 3 cr.** Identification of organic molecules via spectroscopic methods. Methods studied include infrared, UV-visible, proton and carbon-13 nuclear magnetic resonance, and mass spectrometry. Offered alternate years. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: CHEM 342.

**CHEM 461 Physical Chemistry I 4 cr.** This course is the first of a two-semester sequence of calculus-based physical chemistry for chemistry majors. Topics covered include thermodynamics and equilibrium. Offered alternate years. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: CHEM 122, MATH 166, and PHYS 222.

**CHEM 462 Physical Chemistry II 4 cr.** A continuation of CHEM 461. Topics include: quantum mechanics, molecular orbital theory, group theory, and spectroscopy. Offered alternate spring terms. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: CHEM 461.

**CHEM 480 Biochemistry 3 cr.** Study of major classes of biological compounds, synthesis of macromolecules, enzyme kinetics, intermediary metabolism, and control mechanisms. Lecture, 3 hours. Prerequisite: CHEM 240 or 342.

**CHEM 480L Biochemistry Laboratory 2 cr.** A course covering theory and laboratory experience with a variety of techniques used in biochemistry. Laboratory, 6 hours. Prerequisite: CHEM 230. Corequisite: CHEM 480.

**CHEM 494 Directed Research in Chemistry 1-6 cr.** Students conduct research under the direction of a faculty mentor. The general topic and specific goals and activities are agreed upon by the student the mentor. The number of credits is proportional to the time committed to the research.

**CHEM 499 Special Topics 1-8 cr.**

### **Communication Arts/Broadcasting**

**COMM 099 Recitals 0 cr.** This is a zero credit course required of all communication arts majors and minors, and is required each semester in attendance. It is designed to accumulate information about each student's required attendance at predesignated communication arts department recitals.

**COMM 110 Fundamentals of Public Speaking 3 cr.** (GE1) The theory and practice of public speaking with emphasis on topic selection, content, organization of material, language, methods of securing attention and maintaining interest, delivery and critical evaluation of informative and persuasive messages. May not be used as part of communication arts major, minor, or concentration.

**COMM 120 Introduction to Broadcasting 3 cr.** Basic introduction to commercial and non-commercial broadcasting.

**COMM 210 Advanced Public Speaking 3 cr.** An advanced course in the art of oral discourse.

Emphasis is placed on special types of speaking, audience adaptation, logic, persuasion, and rhetorical analysis. Prerequisite: COMM 110 or consent of instructor.

**COMM 212 Interpersonal Communication 3 cr.** Introduces fundamental concepts of communication between individuals. Exploring aspects of self expression, relationship communication-how people present themselves, and how others perceive them in return.

**COMM 220 Broadcast Advertising and Applications 3 cr.** This course will examine, through research ad field experience, the fundamental elements of electronic advertising practices and applications. Students will learn success factors that increase the power of advertising through mass media. Restricted to sophomore, junior, and senior status.

**COMM 224 Publication Makeup and Design 3 cr.** Introduction to the technical aspects of newspaper, magazine, and yearbook production.

**COMM 225 Audio Production I 3 cr.** Laboratory and lecture course with emphasis on the principles and techniques of radio production and programming.

**COMM 244 Reporting and Feature Writing 3 cr.** Introduction to news gathering, judgment, writing, history, conventions and style of the news story, the newspaper feature story, and the magazine article.

**COMM 281 Reporting and Editing 1 cr.** Laboratory course in which class members work on the campus paper and attend staff meetings. Repeatable up to eight credits.

**COMM 282 Yearbook Editing 1 cr.** Laboratory course for members of University yearbook staff. Repeatable up to eight credits.

**COMM 283 TV Activities 1 cr.** An opportunity for students to work on various video projects that they will produce for on and off campus. Repeatable up to eight credits.

**COMM 284 Radio Activities 1 cr.** An opportunity for students to work on various audio projects that they will produce for on and off campus groups. Repeatable up to eight credits.

**COMM 285 Communication Arts Activities 1 cr.** The participation in a significant capacity in any communication arts activity above and beyond the requirements of a specific course. Repeatable up to eight credits.

**COMM 304H Communication and Popular Culture 3 cr.** Includes analysis of audience, occasion, subject and speaker. Subject matter will include such media as movies, songs, television, humor, fashion, public demonstration, advertisements, architecture, etc. Includes text readings, group discussion, analytical essays, and a critical paper and presentation. Prerequisite: Admission to Honors Program or a 3.30 cumulative GPA or permission of the instructor.

**COMM 311 Oral Interpretation 3 cr.** The study of literature for performance with emphasis on written and verbal analysis. The technique of performance applied to oral reading of literature.

**COMM 315 Persuasion and Argumentation 3 cr.** An investigation of the structure, types, and tests of arguments with practical application in preparing and presenting persuasive speeches. Prerequisite: COMM 110 or consent of instructor.

**COMM 316 Group Dynamics 3 cr.** Study of techniques of group discussion and small group theory with emphasis on participating in various types of discussion and conferences.

**COMM 317 Rhetorical Theory 3 cr.** A study of the development of rhetorical critical standards and practices from ancient times to the present.

**COMM 320 Public Relations Principles 3 cr.** An introduction to the theory and practice of public relations, emphasizing management functions, its publics, writing skills, communications process, tools, and professional ethics.

**COMM 322 Broadcast Sales 3 cr.** A close up look at the business of broadcast advertising, including radio, TV, and cable.

**COMM 323 Journalism History 3 cr.** Examination of the news gathering function of the mass media with special emphasis on press theory and the development of thought of freedom of expression.

**COMM 325 Campaigns and Strategies 3 cr.** This course will explore marketing, public relations, and advertising relationships in today's market. The textbook, classroom lectures, guest speakers, and assignments will build a solid foundation in the fundamentals needed to develop and implement campaigns and strategies in the field of public relations, advertising, and marketing. Prerequisite: COMM 320 and Junior or Senior status.

**COMM 326 Media Announcing 3 cr.** Theories, practices, and techniques of "on-air" presentation will be the focus of this course. Students will develop the skills necessary to perform a variety of media announcing tasks. Students will study the techniques and styles required to perform as media newscasters, interviewers, program hosts, commercial and public service announcers. Prerequisite: COMM 120 or consent of instructor.

**COMM 327 Editing and Advising 3 cr.** Introduction to the problems of administering and advising publications (especially student publications).

**COMM 360 Video Production I 3 cr.** Emphasis on the operation of video, audio, and editing equipment. Prerequisite: COMM 120.

**COMM 361 Broadcast News Writing 3 cr.** Intensive survey and application of gathering, writing, and presenting.

**COMM 362 Electronic News Gathering 3 cr.** An introduction to the practical knowledge of basic electronic news gathering production techniques, as well as to learn to operate equipment associated with ENG. Students will learn the correct terminology and the basic formats of ENG. Prerequisite: COMM 360.

**COMM 389 Directing Forensics 2 cr.** Theory, philosophy, and practice in speech contest/festival design and of coaching individual forensic events and debate. Designed for the teacher who will be asked to coach speech on the secondary level. May be taken at the same time as student teaching.

**COMM 390 Communication Arts Methods 3 cr.** Methods and materials for creative teaching of speaking, listening, and theatre and broadcast activities, in today's secondary school environment. Prerequisites: Admittance to Teacher Education.

**COMM 392 Junior Project 1 cr.** The course will include proposal writing procedures and defense, journal writing, research as dictated by the individual's project, public relations policies leading to the public presentation of a recital. All in preparation for the Senior Recital. Prerequisite: COMM 099.

**COMM 397 Communication Arts Practicum 3 cr.** Student Internship with application of specialized techniques in broadcasting, theatre, or other areas of communication arts.

**COMM 410 Advanced Problems 3 cr.** Courses beyond the present offerings in broadcasting, speech communication, and theatre arts. No more than three courses may be accrued.

**COMM 412 Communication Law 3 cr.** A study of the regulatory policies (federal, state, and municipal) in modern electronic and print media.

**COMM 413 Gender Communication 3 cr.** Course designed to explore the theories surrounding differences and similarities in male and female communication. Focus on ways in which gender roles originated and are sustained in a variety of contexts including families, organizations, institutions, peer groups, the media, and interpersonal relationships. Prerequisite: COMM 110 and Junior or Senior status.

**COMM 420 Media as a Social Institution 2 cr.** Basic communication theory and its application to mass communication with emphasis on social, cultural, and political implication of the media.

**COMM 460 Video Production II 3 cr.** Use of TV video, audio, and editing equipment in various news and commercial applications. Prerequisite: COMM 360.

**COMM 475 Broadcast Production 1-3 cr.** The operations, techniques, and practices of broadcast production. Activities include originating, acquiring, organizing, and assembling news segments into a complete television program. Can be repeated for up to 8 cr. Prerequisite: COMM 360.

**COMM 492 Senior Project 3 cr.** Special project undertaken during the senior year with the direct supervision of an instructor. Projects may be chosen from any area of the communication arts department. Prerequisites: COMM 392, and consent of faculty.

**COMM 497 Broadcast Practicum 4 cr.** Internship in the mass communication field allowing the students to put into practice, in a professional setting, those techniques and theories learned in their coursework. Prerequisites: Completion of 40 credits in communications with a 2.75 GPA in major.

### **Communication Disorders**

**CD 025 Speech Improvement 1 cr.** Therapy for those needing remedial assistance for problems with articulation, fluency, hearing, voice, and/or language disorders.

**CD 310 Introduction to Speech-Language Pathology 3 cr.** A survey of various communication disorders: language, phonology, fluency, voice, hearing impairment, cleft palate, cerebral palsy,

aphasia. Ten hours of clinical observation are required.

**CD 320 Introduction to Phonetics 3 cr.** A study of the sounds of American English and the use of the International Phonetic Alphabet (IPA) to record normal and disordered articulatory production. Five hours of clinical observation are required.

**CD 321 Language Development 3 cr.** The study of those events and processes which combine in relatively predictable and observable ways and are evidenced in the acquisition of language..

**CD 322 Introduction to Articulatory-Phonological Disorders 3 cr.** A study of normal articulatory phonological development and the types, causes, and treatment of Articulatory-Phonological disorders. Ten hours of clinical observation are required. Prerequisites: CD 310, 320.

**CD 324 Techniques in Speech-Language Pathology 3 cr.** Therapy approaches and techniques for planning and carrying our clinical practicum. This course includes a required laboratory experience and is a prerequisite for CD 411. Prerequisite: CD 322.

**CD 331 Language Disabilities in Children 3 cr.** The study of deviant language patterns and language patterns associated with cultural diversity. Language evaluation with emphasis on linguistic analysis and the development of language programming appropriate to language problems will be covered. Prerequisite: CD 321.

**CD 341 Speech and Hearing Science 2 cr.** Fundamentals of acoustics, speech production, speech perception, and basic instrumentation. Prerequisite: CD 310.

**CD 342 Introduction to Audiology 4 cr.** A study of the basic tests of hearing with emphasis on test administration and interpretation. It includes anatomy and physiology of the auditory system and its relationship to various types and degrees of hearing loss. Prerequisite: CD 310

**CD 411 Clinical Practicum 1-4 cr.** Supervised practicum in a clinical setting. Students must enroll for a minimum of 4 credits, usually two per semester. Prerequisite: CD 324.

**CD 412 Anatomy, Neurology, and Physiology of the Communication System 4 cr.** An anatomical and physiological study of the head, neck, and thorax, the central and peripheral nervous systems, emphasizing the relationship of these systems to the total communication process. Prerequisites: CD 310, CD 341.

**CD 420 Advanced Communication Disorders 3 cr.** Overview of management strategies for treating people with cleft palate, stuttering, voice disorders, and other neurologically based communication disorders.

**CD 426 Speech Language Development and Disorders for the Teacher 4 cr.** The study of speech language development and disorders of children. Inter-relationships among personal, social, academic, speech and language skills are covered. Academic modifications and coordination with specialized personnel are emphasized. For non-majors.

**CD 427 Aural Rehabilitation 3 cr.** Study of the rehabilitative philosophies and methodologies of individuals with hearing impairments.

**CD 430 Public School Methods in Speech-Language Pathology 2 cr.** A survey of past and present issues faced by the public school speech-language pathologist. Prerequisite: CD 310.

## **Computer Science**

**CSCI 101 Introduction to Computer Science 3 cr.** Introduction to structured programming, integrated environments, and DOS basics. No prerequisite. Lecture, 2 hours; laboratory, 2 hours.

**CSCI 120 Computer Programming I 3 cr.** Introduction to programming in a high-level language. Emphasis on problem solving and logical thinking. Design, implementation and testing of programs for small-scale problems using elementary data types and control structures. Prerequisite: CSCI 101 or consent of department.

**CSCI 122 Visual Basic 4 cr.** An introduction to programming in the Visual Basic language. Prerequisite: CSCI 120.

**CSCI 124 Introduction to C++ 4 cr.** An introduction to programming using the C++ language. Prerequisite: CSCI 120.

**CSCI 126 Introduction to FORTRAN 2 cr.** Introduction to computer programming using the FORTRAN language. Prerequisite: CSCI 101, BOTE 127 or BOTE 230 or equivalent knowledge of DOS.

**CSCI 127 Beginning JAVA 4 cr.** An introduction to programming in the Beginning JAVA language.

**CSCI 128 Introduction to Pascal 3 cr.** The Pascal language, including pointers. Prerequisite: CSCI 101 or equivalent knowledge of DOS.

**CSCI 160 Data Structures and Algorithms I 3 cr.** Stacks, queues and lists. Searching and sorting algorithms Beginning performance analysis. Prerequisite: CSCI 174.

**CSCI 161 Data Structures and Algorithms II 3 cr.** Performance analysis: categories of algorithms. Prerequisite: CSCI 160.

**CSCI 174 Intermediate C++ 3 cr.** Intermediate level programming in the C++ language. Prerequisite: CSCI 124.

**CSCI 177 Intermediate JAVA 4 cr.** Intermediate level programming in the JAVA language. Prerequisite: CSCI 127.

**CSCI 250 Computer Architecture/Assembler Language 3 cr.** Principles of organization as implemented in a current system, assembler language, data representations, procedures, and procedure linkage conventions. Prerequisite: CSCI 124.

**CSCI 260 UNIX Environment 3 cr.** An introduction to the UNIX environment. Basic tools and utilities. Shell programming. Prerequisite: CSCI 124.

**CSCI 299 Special Topics 1-4 cr.** Prerequisite: CSCI 101.

**CSCI 321 Windows Programming 3 cr.** Development of applications for the Windows environment and use of a standard library and its classes. Prerequisite: CSCI 174.

**CSCI 330 Software Design 2 cr.** Implementation of large-scale software exercises. Discussion of the principles of program engineering. Methods for managing software projects. Prerequisite: CSCI 160.

**CSCI 340 Local Area Networks 3 cr.** Introduction to the design and management of local area networks. Emphasis is placed on laboratory work. Prerequisite: CSCI 124.

**CSCI 352 Comparative Languages 3 cr.** Comparison of procedural and non-procedural languages. Study of strengths and weaknesses of languages for solving various problems. Introduction to implementation issues such as memory allocation. Prerequisite: CSCI 160.

**CSCI 356 Database Management 3 cr.** Principles of database design and programming. Relational, network and hierarchical models. Inverted files, searching and sorting key maintenance. Prerequisite: CSCI 124 or equivalent.

**CSCI 360 Systems Programming 3 cr.** Programming using interrupts and operating systems services. Device driver implementation. Brief comparison of different hardware systems. Prerequisite: CSCI 250.

**CSCI 391 Teaching Computer Science 2 cr.** Classroom management and equipment. Analysis of student difficulties, survey of current literature, observation and practicum. Prerequisites: CSCI 160, CSCI 250 and admission to Teacher Education.

**CSCI 394 Independent Study 1-4 cr.**

**CSCI 440 Data Communications 3 cr.** Network administration and management of data protocols and models, basic configurations, software, hardware, routing and applications. Prerequisite: CSCI 340.

**CSCI 450 Operating Systems 3 cr.** Design and implementation of operating systems. Study of the control of and communication between interacting processes. Resource allocation and management in a multiprogramming environment. Prerequisite: CSCI 360.

**CSCI 452 Compiler and Interpreter Construction 3 cr.** Theory and practice of program translation. Lexical and syntactic analysis, error detection and response, optimization. Prerequisites: CSCI 250 and CSCI 352.

**CSCI 454 Computer Graphics 3 cr.** Two dimensional graphics; window, viewpoint, and clipping, geometrical transformations, line and character generation, display hardware, projecting three dimensional objects and hidden line removal. Prerequisites: CSCI 160, CSCI 250, and MATH 305.

**CSCI 456 Database Administration 3 cr.** The administration and maintenance of medium-scale and large-scale database systems. Prerequisite: CSCI 356.

**CSCI 497 Internship 2-8 cr.** Supervised professional experience in computing applications. A maximum of 2 credits may be counted toward a major or minor. May be repeated up to a total of 8

credits. Grading is pass/fail. Prerequisite: Departmental Approval.

## **CSCI 499 Special Topics 1-4 cr.**

### **Criminal Justice**

**CJ 120 Introduction to Criminal Justice 3 cr.** Examines the criminal justice process, including legislative law-making, law enforcement, prosecution, the courts, and corrections; highlights contemporary issues and landmark cases influencing case processing at different stages throughout the criminal justice system; familiarizes students with the Bill of Rights and Amendments critical to law enforcement, evidentiary issues, and correctional procedures; a basic survey and prerequisite for all criminal justice courses.

**CJ 230 Criminal Law 3 cr.** A critical examination of the development and function of Western criminal law; analyzes current definitions of criminal acts and omissions, defenses and justifications in the social and legal society of the United States; illustrates the development of legal interpretations of criminal statutes through the use of current and historical U.S. Supreme Court and state court decisions. Prerequisite: CJ 120.

**CJ 299 Special Topics 1-8 cr.** Independent investigations of topics of special interest related to criminal justice. Topics may vary to reflect contemporary criminal justice issues. Prerequisite: CJ 120.

**CJ 300 Policing and Police-Community Relations 3 cr.** An historical examination of the evolution of the role of police in Western culture; included are the philosophical, social, legal, political, educational and religious influences on the purpose of police power of the state; examines current and future trends, research and practices that are developed for the policing function; discusses the social and individual effects of police work in Western society. Prerequisite: CJ 120.

**CJ 320 Probation, Parole, and Intermediate Punishments 3 cr.** Distinguishes between probation and parole; examines community corrections options, including home confinement, electronic monitoring, intensive supervised probation/parole; uses of volunteers and paraprofessionals; presentence investigation report preparation; probation/parole officer work roles, duties; functions of jails; recidivism of clients; contemporary community correctional issues. Prerequisite: CJ 120.

**CJ 330 Criminological Theory 3 cr.** Provides an examination of the major criminological schools of thought as well as the prominent theorists within each school; theories are presented that examine criminal motivation and the application of criminal law; additionally, the implicit theoretical assumptions regarding the punishment of offenders is examined. Prerequisite: CJ 120.

**CJ 340 Juvenile Justice System 3 cr.** Illustrates major components of juvenile justice system, including arrest, intake, adjudication, and disposition of juvenile offenders; examines transfer process for treating juveniles as adults; describes landmark legal cases extending rights to juveniles; examines juvenile court organization as an adversarial system; treatment of contemporary juvenile justice issues, including death penalty for juveniles and deinstitutionalization of status offenders. Prerequisite: CJ 120.

**CJ 345 Policy Issues in Criminal Justice 3 cr.** Assessment of the development, efficacy, and politics of criminal justice policy. Emphasis on analyzing the formulation, implementation, and

evaluation of criminal justice policy. Prerequisite: CJ 120.

**CJ 362 Women in the Criminal Justice System 3 cr.** Examines the nature and extent of female offenders, victims in the criminal justice system. The course will provide students with an understanding of the processing of women offenders through the criminal justice system. Students will also become familiar with the theoretical concepts focusing on female criminality and victimization. Prerequisite: CJ 120.

**CJ 365 Law and Society 3 cr.** Examination of the various perspectives on the development and implementation of law and assessment of the various facets of law in action. Prerequisite: CJ 120.

**CJ 370 Court Processing and Sentencing 3 cr.** Provides students with a comprehensive analysis of the U.S. court system; the functions of state and federal district, appellate, and supreme courts is reviewed; students are introduced to the influence of extra-legal factors and their differential impact on offender processing; contemporary criminal justice issues facing the court system are also examined. Prerequisite: CJ 120.

**CJ 375 Gangs 3 cr.** Explores gang phenomena in U.S.; concentrates on recent research about gang formation and gang related violence including the various criminological theories that explain the social, economic, political, and environmental reasons for the rise of gangs in various American urban centers. Prerequisite: CJ 120.

**CJ 380 Corrections 3 cr.** Examines institutionalization of convicted offenders; describes jails and prisons; investigates issues including privatization of prison operations, inmate labor, overcrowding, inmate gang formation and culture, and inmate rights; correctional officer duties/training/responsibilities are described; examines post-institutionalization experiences of released inmates in community programs; examines classification systems used to determine one's level of custody; describes different types of prisons/jails and their functions. Prerequisite: CJ 120.

**CJ 385 Terrorism 3 cr.** Explores terrorism from an international and national perspective; examines the social, political, and cultural reasons for terrorism including the law enforcement's fight against terrorism in the U.S. Prerequisite: CJ 120.

**CJ 394 Independent Study 1-6 cr.** Intensive study of substantive interest areas of students; major literature review leading to analytical paper; topics chosen collaboratively by student and instructor/advisor. Prerequisite: consent of instructor.

**CJ 395 Victims and Victimology 3 cr.** The course provides a student's overview of the characteristics and trends of victims in a variety of settings, and the criminal justice system's perception and response to these individuals. Prerequisite: CJ 120.

**CJ 399 Readings 3 cr.** Readings in a specialty area of criminal justice culminating in a summary paper of significant research, findings, and interpretations. Prerequisite: CJ 120.

**CJ 410 Administration of Criminal Justice Systems 3 cr.** Overview of organizational theory as it applies to the administration of Criminal Justice agencies. Emphasis on criminal justice management theory and policy development. Prerequisite: CJ 120.

**CJ 450 White-Collar Crime 3 cr.** Categories of job offending are analyzed through criminological theory, law, and the criminal and regulatory justice systems, including corporate crime,

professional crime, individual crime, and crime by state workers. Traditional and novel strategies for the social control of these offenses are also presented. Prerequisite: CJ 120.

**CJ 490 Role Conflict and Performance Dilemmas in Criminal Justice 3 cr.** Criminal justice professionals face various potential role and value conflicts in the enforcement of laws and offender processing; this course exposes students to the conceptual and theoretical issues involved in the field of value conflict; this course will focus upon real-life and hypothetical value dilemmas faced by criminal justice practitioners. Prerequisite: CJ 120.

**CJ 491 Senior Seminar 3 cr.** Integration of program outcomes with application of knowledge, values, and skills necessary for field entry, value and ethical considerations, and the development and implementation of future career objectives. Provides application of core courses, provides students with current developments in key core areas. Prerequisite: CJ 120, criminal justice major, senior status and must have completed all CJ core courses.

**CJ 497 Field Experience 3-6 cr.** Student practicum in a criminal justice or related agency; course may be repeated in either the same or different agency; designed to enhance these experiences, supplementary readings and written assignments are required. Prerequisites: CJ 120 or consent of instructor; all core requirements must be completed before enrolling; may be repeated once for 3 credit hours.

**CJ 499 Special Topics 1-8 cr.** Specialized topics offered as regular classes; topics vary depending upon student and faculty interest. Prerequisite: CJ 120.

#### **Driver Traffic Safety**

**DTS 225 Introduction to Safety Education 1 cr.** Promotes general safety with special emphasis on school bus safety, fire safety and tornado safety.

**DTS 230 Driver and Traffic Safety Education 3 cr.** Introduction to driver and traffic safety education. A review of various high school textbooks and other teaching tools.

**DTS 250 Defensive Driving 1 cr.** Classroom course that is a part of the National Safety Council's Driver improvement program. Successful completion allows a three point reduction on a licensee's driving record.

**DTS 260 Teenage Driving Behavior Problems 2 cr.** Teaches prospective driver educators about the past problems concerning teenage traffic offenders. Assists driver educators in adjusting classroom presentations to address problems with beginning teenage drivers.

**DTS 350 Advanced Driving 2 cr.** Advanced driving to improve skills, perception, decision making, and general driving ability.

**DTS 390 Traffic Law 3 cr.** Study of the Code 39 of North Dakota Motor Vehicle laws. Designed to develop an understanding of traffic law in modern society.

**DTS 450 Organization and Administration of Safety Education 2 cr.** Basic concepts and development of the four phase program: dual controlled car, simulator, multiple car driving range, and classroom. Prerequisite: DTS 230.

**DTS 452 Instruction in Range, Simulator and In-Car 3 cr.** Instruction in the use of electronic driving simulator, equipment, multiple care driving range, and dual controlled car. Prerequisite: DTS 450.

**DTS 454 Driver Education for the Disabled 2 cr.** Instruction in dual-controlled cars with special hand controls for teaching the handicapped. Prerequisite: DTS 450.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Course Descriptions E - H

[Economics](#)  
[Education](#)  
[Electrical Engineering](#)  
[Engineering](#)  
[English](#)  
[Finance](#)  
[French](#)  
[Geography](#)  
[Geology](#)  
[German](#)  
[Health Management Science](#)  
[Health, Physical Education and Recreation](#)  
[History](#)  
[Humanities](#)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Economics

**ECON 201 Principles of Microeconomics 3 cr.** (GE7) Supply and demand, price and output determination in the product and resource markets, consumer demand, elasticity, costs and profits, and intentional trade.

**ECON 202 Principles of Macroeconomics 3 cr.** (GE7) Nature, method, and scope of economic analysis; nature of economic growth; inflationary tendencies and unemployment, monetary and fiscal policies, international finance. (May be taken before 201.)

**ECON 311 Agricultural and Land Economics 3 cr.** Analysis of production in agricultural industry, agricultural markets, government price support programs, farm income and farm structure, world demand for food and competition for world markets. Prerequisites: ECON 201 and 202.

**ECON 312 Price Theory 3 cr.** Analysis of individual consumer demand, principles of production, costs, pricing and output decisions under different market structures. Prerequisites: ECON 201 and 202.

**ECON 314 National Income Analysis 3 cr.** Study of major movements in national income, production, employment, price levels, as well as policy related to growth and equilibrium. Prerequisites: ECON 201 and 202.

**ECON 315 Labor Economics 3 cr.** Survey of labor-management relations that examines the policies and objectives of labor unions and their impact on the broader society, and includes union

history and government, organizing and bargaining, economics of the labor market and wage determination, government control and major laws that affect labor-management relations. Prerequisites: ECON 201 and 202.

**ECON 316 Economics of Investment 3 cr.** Introductory study of security analysis and basic investment principles with special attention given to problems of the individual investor. Prerequisites: ECON 201 and 202.

**ECON 318 Money and Banking 3 cr.** Nature and functions of U.S. depository institutions (especially commercial banks, savings and loans, and credit unions); their regulation with particular emphasis on the Federal Reserve System's monetary policy and instruments of control and an introduction to monetary theory. Prerequisites: ECON 201 and 202.

**ECON 320 Economics of Natural Resources 3 cr.** Study of the supply of and demand for natural resources. Optimal development, use and conservation of natural resources, benefit and cost analysis, public and private ownership and control of natural resources are also examined. Prerequisites: ECON 201 and 202.

**ECON 410 Managerial Economics 3 cr.** Managerial Economics is an application of the part of Microeconomics that focuses on the topics that are of greatest interest and importance to managers. The purpose of learning this subject is to help managers make better decisions. Topics include demand and cost analysis, market structures, pricing decision, and government regulations. Some powerful analytical tools such as regression analysis, business forecasting, and linear programming will also be covered to assist the decision making process. Prerequisite: ECON 201 and 202.

**ECON 411 Public Finance 3 cr.** Study of tax systems and other sources of revenue of federal, state, and local governments; changing patterns of public expenditures; fiscal and monetary policy; debt management and economic effects of public policy. Prerequisites: ECON 201 and 202.

**ECON 414 International Economics 3 cr.** Study of the causes of international trade, classical and neoclassical models of international trade, the movement of money, goods, and factors of production over national boundaries, role of trade barriers and balance of payments. Prerequisites: ECON 201 and 202.

**ECON 416 Business Cycles 3 cr.** Study of business fluctuations in the American economic system, the causes as viewed by economic theorists, and the measures which aid in stabilization of fluctuations, and macroeconomic forecasting are given attention. Prerequisites: ECON 201 and 202.

**ECON 418 History of Economic Thought 3 cr.** Study of evolution of economic thought under different social and political background, like mercantilism, physiocracy, classical economies, historical school and Socialist doctrines. Prerequisites: ECON 201 and 202.

**ECON 419 Economic Planning and Development 3 cr.** Study of basic techniques and methods in planning which facilitate various levels of economic development. The application of the planning strategies necessary to effect desirable economic development is also undertaken. Prerequisites: ECON 201 and 202.

**ECON 497 Internship 3 cr.** Student gains practical experience completing research and/or

working on a team with a particular economic development project. Course is offered on a pass/fail basis.

## **Education**

**ED 250 Foundations of Education 2cr.** Study of the historical, philosophical, sociological, concepts that have impacted the development of American public schools. Includes an orientation to the teaching profession and a field experience. (added fall 2005)

**ED 260 Educational Psychology 2 cr.** Emphasis learning theory, effective teaching, classroom management and child development as applied to educational settings. (added fall 2005)

**ED 320 Curriculum, Planning and Assessment 3 cr.** The development of curriculum for the public schools and strategies for the planning, delivery and assessment of instruction. Prerequisite: ED 201.

**ED 335 Early Childhood Education 3 cr.** Study of early childhood learning theories, developmentally appropriate materials, classroom arrangement, observational techniques, and curriculum planning. Actual experiences with materials, observation, and field experience. Prerequisite: Admission to Teacher Education, ED 320 and 352.

**ED 352 Foundations of Reading 3 cr.** Principles, techniques, and approaches for implementing a developmental reading program in the elementary school. Prerequisite: Admission to Teacher Education and ED 320.

**ED 360 Language Acquisition: The Child 3 cr.** Language activity includes speaking, writing, reading and listening. Coursework will center on how language is acquired, the functions of language and how language develops. Examine how teachers can best support the growth of children as language learners and users. Prerequisite: Admission to Teacher Education and ED 320.

**ED 370 Handwriting Instruction 1 cr.** Introduction to handwriting systems and instructional methodology. Elective. Prerequisite: Sophomore, Junior or Senior status.

**ED 380 Technology in Teaching 2 cr.** Strategies for the instructional uses of technology including multimedia presentation, e-mail, internet, spreadsheets, data bases, and emerging technologies. Prerequisite: Admission to Teacher Education and ED 320.

**ED 402 Teaching Reading in Content Areas 2 cr.** Designed for both secondary and intermediate grade teachers. Stresses the development and utilization of teaching skills through the content subjects. Prerequisite: Admission to Teacher Education and ED 320.

**ED 421 Elementary Mathematics Methods 3 cr.** Practicum in teaching mathematics to children in cooperative learning groups through the use of manipulative materials, symbolic representations, and problem solving approaches. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning processes. Prerequisite: Admission to Teacher Education, ED 320, Math 277 and 377. Corequisites: ED 423, 424, MATH 277, MATH 377, SCI 426. Course restricted to Elementary Education majors.

**ED 422 Elementary Language Arts Methods 3 cr.** Encompasses curriculum, theory, and

methodology in language arts. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning processes. Prerequisite: Admission to Teacher Education and ED 320, 352. Corequisite: ED 421, 423, 424, SCI 426. Course restricted to Elementary Education majors.

**ED 423 Elementary Reading Methods 3 cr.** Principles, techniques, approaches and materials for teaching reading in grades K through 8. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning processes. Prerequisite: Admission to Teacher Education and ED 320, 352. Corequisite: ED 421, 423, 424, SCI 426. Course restricted to Elementary Education majors.

**ED 424 Elementary Social Studies Methods 3 cr.** Curriculum, theory, and methodology in the teaching of social studies. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning process. Prerequisite: Admission to Teacher Education and ED 320. Corequisite: ED 421, 422, 423, SCIT 426. Course restricted to Elementary Education majors.

**ED 430 Preschool Curriculum, Activities and Practicum 3 cr.** Study of development of 4-7 year olds and procedures in preschool planning including teaching techniques and expressive materials for the campus preschool. Laboratory. Prerequisite: Admission to Teacher Education, ED 320 and ED 335. Course restricted to Elementary Education majors.

**ED 440 Remedial Reading 3 cr.** Diagnosis and treatment of children with reading difficulties. Prerequisite: Admission to Teacher Education and ED 320, 352.

**ED 441 Clinical Practice in Remedial Reading 3 cr.** Supervised practice in a clinical remedial reading situation. Prerequisite: Admission to Teacher Education and ED 320, 352, 440. Corequisite: 440

**ED 450 Middle School Philosophy and Curriculum 2 cr.** Acquaints students with the philosophy of middle school education and current practices in middle school curriculum, instruction, and assessment. Prerequisite: Admission to Teacher Education and ED 320.

**ED 451 Middle School Teaching Strategies 3 cr.** Designed to develop the skills and teaching strategies to implement a middle school program. Stresses teaming, thematic curriculum development, advising, and working with parents. Prerequisite: Admission to Teacher Education and ED 320.

**ED 460 Managing the Learning Environment 2 cr.** Strategies for successfully creating a positive learning environment in the classroom; strategies for dealing with the disruptive student, strategies for creating positive parental involvement in student learning. Prerequisite: ED 320 and Admission to Teacher Education.

**ED 470 Teaching Diverse Learners 2 cr.** Adapting teaching strategies to cultural, ethnic, linguistic, developmental and physical differences in the classroom. Collaborating with related professions in individualizing instruction. Prerequisite: Admission to Teacher Education and ED 320.

**ED 480 Clinical Practicum in Education 1 cr.** This course is designed to give education majors an opportunity to have 30 hours of practical experience. Placements in schools settings are

arranged by the Teacher Advisement and Field Placement office. Prerequisite: Admission to Teacher Education, a methods class, and departmental approval.

**ED 491 Student Teaching, Kindergarten 4-16 cr.** Supervised teaching in kindergarten. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

**ED 492 Student Teaching, Elementary 4-16 cr.** Supervised teaching in elementary schools. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

**ED 493 Student Teaching, Secondary 4-16 cr.** Supervised teaching in secondary school. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

**ED 494 Student Teaching, K-12 4-16 cr.** Supervised teaching in both elementary and secondary levels in restricted areas. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

**ED 495 Student Teaching, Special Areas 4-16 cr.** Supervised teaching in special areas: mentally handicapped and education of the deaf. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

**ED 497 Mentored Clinical Practicum 5-16 cr.** This course is designed to provide a one year mentored clinical internship for classroom teachers. Prerequisites include departmental approval and emergency licensure by the Educational Standards and Practices Board of North Dakota.

### **Discontinued**

**ED 201 Introduction to Teaching 1 cr.** An orientation to the teaching profession. Pre-requisite: Sophomore, Junior or Senior status.

**ED 310 Foundations of Education 3 cr.** Study of the historical, philosophical, sociological, and psychological concepts that have impacted the development of American Public Schools. Pre- or corequisite: ED 201, PSY 111.

### **Electrical Engineering**

**EE 206 Circuit Analysis 3 cr.** Introduction to electric circuit components. Steady state and transient analysis of DC and AC circuits. Electric power calculations. Lecture, 2 hours; laboratory, 2 hours. Corequisites: MATH 166 and PHYS 222.

### **Engineering**

**ENGR 101 Engineering Graphics 3 cr.** Lettering and sketching; pictorial and orthographic representations; uses engineering graphics computer software to create geometrical constructions; developments, technical practices; dimensions and tolerances; engineering drawing using computer; graphical analysis of engineering data; geographical calculus.

**ENGR 201 Statics 3 cr.** Vector approach to principles of statics. Resultants of force systems, equilibrium of force systems, analysis of structures, centroids, moments of inertia. Lecture, 3 hours. Prerequisite: MATH 165.

**ENGR 202 Dynamics 3 cr.** Vector approach to principles of dynamics. Rectilinear and curvilinear translation, rotation, plane motion, force-mass-inertia, work-energy, impulse-momentum. Lecture, 3 hours. Prerequisite: ENGR 201. Corequisite: MATH 166.

## **English**

**ENGL 110 College Composition I 3 cr.** (GE1) Guided practice in college-level reading, writing, and critical thinking. Emphasis on writing processes, and on approaches to critical reading. Does not apply toward the English major.

**ENGL 111H Honors Composition I 3 cr.** (GE1) The first course in the honors curriculum, ENGL 111 takes the place of ENGL 110 and, if the student continues in the Honors Program, COMM 110 is required of all Honors Students earning the BSE degree. The course is reading intensive and encourages intellectual independence. Admission to the Honors Program is not a prerequisite, but ACT scores of 25 in reading and writing are required. Does not apply to the English major.

**ENGL 120 College Composition II 3 cr.** (GE1) Advanced practice in college-level writing from sources and in applying rhetorical strategies. Emphasis on rhetorical strategies and incorporating research in academic writing. Does not apply toward the English major. Prerequisite: ENGL 110.

**ENGL 121H Honors Composition II 3 cr.** (GE1) The second course taken in the honors curriculum. Replaces ENGL 120 in the general education program. Independent research and writing focuses on a rigorous study of literature. Prerequisites: ENGL 110 or 111; admission to Honors Program or permission of the Honors Director. Does not apply toward the English major.

**ENGL 209 Introduction to Linguistics 3 cr.** Entry level knowledge for the scientific study of language, including such topics as phonology, semantics, grammar, and related cultural history. Prerequisites: ENGL 110 and ENGL 120.

**ENGL 211 Introduction to Creative Writing 3 cr.** Introduction to the form and craft of imaginative writing in fiction and poetry. Prerequisite: ENGL 120.

**ENGL 220 Introduction to Literature 3 cr.** (GE3) Reading and discussion of literary forms such as the short story, the novel, poetry, and drama, with emphasis on common literary terminology. Prerequisite: ENGL 110.

**ENGL 225 Introduction to Film 3 cr.** (GE3) Introduction to the aesthetic, technical, and social significance of selected films, with emphasis on understanding basic film vocabulary and narrative structure. Four studio hours per week.

**ENGL 231 Bible as Literature 3 cr.** (GE3) Study of the Bible from a literary point of view. Prerequisite: ENGL 110.

**ENGL 232 Mythology 3 cr.** The study of representative myths, legends, and folklore from various

cultures with emphasis upon the literary respects of myth. Prerequisites: ENGL 110.

**ENGL 236 Women and Literature 3 cr.** The course will focus on the socio-cultural representation of women in the literature of different historical periods, literature by women, the problematic of the female author, and the impact of feminist/gender criticism on English Studies. May also examine feminist and/or gendered critical approaches to literature, the appropriation or transformation of literary genres by women writers, or writing of women during a particular historical period. Specific content will vary depending on the instructor.

**ENGL 238 Children's Literature 3 cr.** Introductory study of picture books and poetry; folk tales, fairy tales, myth, and legend; modern fiction, both realistic and imaginary; historical fiction; and biographical and informational books for children. Prerequisite: ENGL 110.

**ENGL 240 World Literature Masterpieces 3 cr.** (GE3) The study of representative cultural and literary materials from ancient world to modern times. Prerequisites: ENGL 110.

**ENGL 251 British Literature I 3 cr.** (GE3) A survey of British literature from the Anglo Saxon period through the 18th century. Prerequisite: ENGL 110.

**ENGL 252 British Literature II 3 cr.** (GE3) A continuing survey of British literature from the Romantic period to the present. Prerequisite: ENGL 110.

**ENGL 261 American Literature I 3 cr.** (GE3) A survey of American literature from the Puritans until the Civil War. Prerequisite: ENGL 110.

**ENGL 262 American Literature II 3 cr.** (GE3) Continuing survey of American literature since the Civil War. Prerequisite: ENGL 110.

**ENGL 265 Native American Literature 3 cr.** The study of Native American Indian legends, poems, and stories with emphasis on contemporary writings. Prerequisite: ENGL 110.

**ENGL 270 Introduction to Literary Criticism 3 cr.** The study of methods and assumptions of literary criticism, the reasons for and values of literary studies, and the formal academic discourse employed in English. Course serves as an introduction to the English major. Prerequisite: ENGL 120

**ENGL 293 History of the English Language 3 cr.** Prerequisite: ENGL 110 and 120.

**ENGL 305 Advanced Grammar 3 cr.** Advanced study of the structure of English and its systematic analysis. Emphasis is components of the language and their integration. The course is not designed to teach basic competency or mechanics. Prerequisite: ENGL 120.

**ENGL 310 Advanced Composition 3 cr.** Concentrated instruction and practice in expository writing. Prerequisite: ENGL 120.

**ENGL 315 Professional and Technical Writing 3 cr.** Concentrated instruction and practice in technical and job-related expository writing. Prerequisite: ENGL 120.

**ENGL 317 Teaching Writing 3 cr.** Study of methods of teaching writing with emphasis on

contemporary theories. Prerequisite: ENGL 120.

**ENGL 318 Writing Tutor Training 1 cr.** The course covers practices and theories for tutoring writers. Content includes the composing process, diagnosing problems, establishing rapport, managing research and helping with second language needs. Prerequisite: ENGL 120.

**ENGL 321 World Drama 3 cr.** Study of significant dramatic literature from a wide variety of cultures and nationalities from the ancient world to the present. Prerequisites: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 338 Literature for Adolescents 3 cr.** Introductory course in understanding and appreciating literature for the adolescent. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 351 British Novel I 3 cr.** Study of the development of the British novel through the late 19th century. Emphasis on major figures. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 352 British Novel II 3 cr.** Study of the development of the British novel from Hardy through contemporary novelists. Emphasis on major figures. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 354 Studies in British Poetry 3 cr.** Advanced study of selected British poets. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 355 Age of Shakespeare 3 cr.** Study of representative works of Shakespeare. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 361 American Novel I 3 cr.** Study of the American novel in the 18th and 19th centuries. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 362 American Novel II 3 cr.** Study of the American novel from the 20th century through contemporary novels. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 364 Studies in American Poetry 3 cr.** Advanced study of selected American poets. Prerequisite: ENGL 120. For English majors/minors ENGL 270 and ENGL 293 are also prerequisites.

**ENGL 390 Secondary Language Arts Methods 4 cr.** Theory and practice in teaching literature, composition and language in the secondary school. Includes practicum. Prerequisite: Admittance to Teacher Education.

**ENGL 411 Advanced Creative Writing 3 cr.** Concentrated instruction and practice in genre-specific imaginative writing. Prerequisites: ENGL 211 or consent of instructor. May be repeated for credit as content changes.

**ENGL 430 Advanced Seminar in Literature 3 cr.** Intensive exploration of selected literary texts

and topics. May include literary and nonliterary cultural texts and genres, historical periods, oral and written forms, dramatic texts, the roles of audience, gender, class, nationalism and/or other social relations. Utilizes critical theory and the analysis of discourse, performance modes, and political/cultural relations. Prerequisite: ENGL 270.

**ENGL 435 Major Writers 3 cr.** Intensive study of selected literary works by major authors. Authors and selections will vary from semester to semester. Prerequisites: ENGL 120 and one 300-level English course or consent of instructor. May be repeated for credit as content changes.

**ENGL 470 Advanced Seminar in Literary Criticism 3 cr.** Intensive exploration of one school (or related schools) of modern literary theory. Focus will be on primary works of criticism, not literature. May repeat for credit as content changes. Prerequisite: ENGL 270.

**ENGL 491 Senior Seminar 3 cr.** In-depth study of literary figures or issues, emphasis to be determined by student/professor consultation. Prerequisite: ENGL 120 and senior status. Course restricted to majors.

## **Finance**

**FIN 251 Personal Finance 3 cr.** Introduces the consumer to 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 investment, and shelter planning. An excellent course for beginning business students and nonbusiness majors.

**FIN 353 Corporation Finance 3 cr.** Introduces the student to the essentials of financial management. Coverage includes financial analysis, working capital management, capital budgeting, cost of capital, dividend policy, and long term financing decisions. Prerequisites: ACCT 201 and MATH 240.

**FIN 355 Investments 3 cr.** Introduces the student to the principles of investment. Topics to be covered include: description of the investment environment and investment decisions; introduction to investment, security, and portfolio theories; financial statement analysis; the implications of the Efficient Markets Hypothesis for active and passive portfolio management; and analysis, valuation and management of equities, fixed income securities, indices and indexed funds, and derivative securities. Prerequisite: FIN 353 and ECON 201 and 202.

**FIN 357 Advanced Corporate Finance 3 cr.** An advanced course which examines issues related to financing the corporation including capital structure, valuation of various forms of debt and equity financing, capital budgeting decisions, dividend policy decisions, financial analysis, forecasting and managing risk with financial instruments. Prerequisite: FIN 353.

**FIN 360 Entrepreneurial Finance 3 cr.** Introduces the student to the theories, knowledge, and financial tools needed by the entrepreneur in starting, building, and harvesting a successful venture. Topics include financing a new venture, managing profit and cash flow, financing the growth of the firm, alternative financing methods, creation of value, valuation methods, financial distress, and harvesting a successful venture. A primary focus is on the financial aspect of the business plan. Prerequisites: FIN 353.

**FIN 443 Real Estate Finance 3 cr.** Introduces the students to the basic principles of real estate,

real estate law, and real estate finance. Topics include the ownership and transfer of real estate property, legal instruments, analysis of real estate markets, real estate appraisals, legal aspects of real estate, and financing residential, commercial, and income property. Prerequisites: FIN 353 and ACCT 300.

**FIN 451 Insurance and Risk Management 3 cr.** Examines the nature of risk and risk management from a social, individual, business and organizational perspective. Explores the available risk management tools and alternatives including insurance. Prerequisites: FIN 353 and ACCT 300.

**FIN 454 Portfolio Theory 3 cr.** Studies advanced concepts relating to investments to include financial statement analysis, stock market efficiency and anomalies, derivative securities, valuation of debt, equity securities and modern portfolio theory. Prerequisites: FIN 355.

**FIN 455 Financial Institutions and Markets 3 cr.** Focuses on the management of depository and non-depository financial institutions and the use of the money and capital markets in financial management strategy. Institutional emphasis includes banks, S & L's, credit unions, investment companies, real estate investment trusts, finance companies, insurance companies, and pension funds. Prerequisite: FIN 353.

**FIN 457 International Corporate Finance 3 cr.** Examines financial management implications of exchange risk exposure, accounting conventions, international constraint on capital flows, international investment management, foreign taxation, and working capital management of international firms. Prerequisite: FIN 353.

**FIN 458 Financial Management 3 cr.** Emphasizes the application of financial decision making principles, tools, and techniques. Coverage includes financial analysis, planning and control, working capital, capital budgeting, long-term financing, financial structure, dividend policy, cost of capital, and financial rearrangements. Prerequisites: FIN 357 and MATH 146.

**FIN 497 Internships 2-9 cr.** A cooperative occupational training program in the area of finance. Maximum of 3 credits will count toward major. Prerequisites: restricted to major, junior or senior status and consent of the department.

**FIN 499 Special Topics.** Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offerings of current topics.

## **French**

**FREN 101 Beginning French I 4 cr.** (GE3) For beginners or those entering with one or two years of high school French. Introduction to listening, speaking, reading, writing, and culture.

**FREN 102 Beginning French II 4 cr.** (GE3) A continuation of Beginning French I. Prerequisite: FREN 101.

**FREN 201 Intermediate French I 4 cr.** (GE3) Review of basic French with increased practice in conversation, reading and writing. Prerequisite: FREN 102, three years of high school French or consent of instructor.

**FREN 202 Intermediate French II 4 cr.** (GE3) Continuation of FREN 201. Prerequisite: FREN

201.

**FREN 300 French Phonetics 2 cr.** Theoretical and practical study of French phonetics. Practice in pronunciation and intonation. Prerequisite: FREN 201 or consent of instructor.

**FREN 301 French Conversation and Composition 3 cr.** Advanced practice in oral and written skills using cultural readings and other media. Prerequisite: FREN 202 or consent of instructor.

**FREN 302 Introduction to French Literature 3 cr.** Designed to improve language skills with an emphasis on reading and to enhance the student's ability to understand literature. Includes study of poetry, drama, and narrative from the French-speaking world. Prerequisite: FREN 202 or consent of instructor.

**FREN 303 French Culture 3 cr.** Readings in culture and society from the French-speaking world. Prerequisite: FREN 202 or consent of instructor.

**FREN 401 Advanced Topics in French 3 cr.** Topics will vary from year to year depending on student backgrounds and needs.

**FREN 402 Genres or Periods in French Literature 3 cr.** Study of a major genre or period in French literature. Topic varies from year to year.

**FREN 450 Senior Capstone Project in French 3 cr.** Individual research project on a cultural topic approved by the instructor one semester prior to enrollment in the course. Course is restricted to majors.

## **Geography**

**GEOG 110 Principles 3 cr.** (GE7) Study of geography in a modern context and its synthesizing role in relation to both physical and social sciences. Major emphasis is on the relationships between people and their environment, spatial interactions, and regional structures.

**GEOG 161 World Regional 3 cr.** (GE7) A geographic survey of major world regions with emphasis on location, component countries, world role, distinctive physical and cultural characteristics, relation to other world areas, and major problems. The principal objective is to help alleviate the serious geographic illiteracy that many Americans have concerning the world in which they live.

**GEOG 262 North America 3 cr.** A thematic and regional approach to the geography of North America that stresses human patterns and relationships with the physical environment.

**GEOG 263 North Dakota 3 cr.** Study of the interrelationships that exist between North Dakota's physical and cultural environments. Specific topics include physiography, climate, flora, prehistoric occupation, historic development, demography, and economic structures.

**GEOG 333 Meteorology 3 cr.** A non-mathematical approach to observing and interpreting the processes that are responsible for weather events and their effects.

**GEOG 334 Climatology 3 cr.** Study of the global patterns of climatic variety and the opportunities

and limitations these climatic patterns place on people.

**GEOG 352 Economic Geography 3 cr.** Study of the geographic factors involved in the production, exchange, and consumption of world commodities. Major economic activities of agriculture and mining are emphasized.

**GEOG 355 Political Geography 3 cr.** Study of the human struggle for space on land and water, including boundary and frontier problems as well as the relative strengths and weaknesses of nations.

**GEOG 364 Africa 3 cr.** Study of the natural regions of Africa with emphasis on the climate, physical and human resources, trade, culture and their effects upon world affairs.

**GEOG 365 Monsoon Asia 3 cr.** A regional study of Monsoon Asia, with special emphasis on China, Japan, and India. Geographic and political problems of the area are reviewed.

**GEOG 366 Latin America 3 cr.** A general overview of an extremely diverse region that is the product of both physical and cultural factors which have interacted over time to produce a unique landscape.

**GEOG 367 Europe 3 cr.** A study of the natural regions of Europe, including a consideration of climate, soil, plant and animal life, and human distribution.

**GEOG 368 Former Soviet Union 3 cr.** Study of the natural resources, the human ecology, and the regional organization of what was the Soviet Union.

**GEOG 371 Cartography 3 cr.** Techniques of computer-assisted map construction with major emphasis on the presentation of statistical information in graphic form.

## **Geology**

**GEOL 101 Environmental Geology with lab 4 cr.** (GE6) Mankind's interaction with the earth. Major environmental problems facing citizens today including: water resources, energy and mineral resources, and geologic hazards. Local field trips. Lecture, 3 hours; laboratory, 2 hours.

**GEOL 101H Honors Environmental Geology with lab 4 cr.** (GE6) Mankind's interaction with the earth. Major environmental problems facing citizens today including: water resources, energy and mineral resources, and geological hazards. Laboratory time will focus on small-scale research projects, in-depth discussions of particular topics including current events, and local field trips. Lecture 3 hours; laboratory 3 hours. Honors Program admission or 3.30 cumulative GPA and permission of instructor.

**GEOL 105 Physical Geology with lab 4 cr.** (GE6) Earth as a physical body, its structure, composition, and the geologic processes acting on and within the earth. Designed especially for students with a specific interest in geology and for those students contemplating a major in the sciences. Field trips. Lecture, 3 hours; laboratory, 2 hours.

**GEOL 106 Historical Geology with lab 4 cr.** (GE6) Earth through time, its origin, history, and the history and evolution of animal and plant life. Laboratory study of fossils, sedimentary rocks, and stratigraphic problems. Field trips. Lecture, 3 hours; laboratory, 2 hours. Prerequisites: GEOL 105.

**GEOL 108 Earth and Planetary Science 4 cr.** An introduction to the physical geology of Earth and astronomy, focusing on our solar system. Earth's materials and structure; internal and surficial processes that work to shape Earth; the history of the Earth. Introduction to astronomy, including the earth's moon, the planets and minor bodies of our solar system, the sun, and the universe beyond our solar system. Lecture, 3 hours; laboratory, 2 hours.

**GEOL 110 Earth Science by Inquiry 4 cr.** This course uses inquiry-based methods to explore observational astronomy and some of the physical principles that shape the earth. Students will explore heat and temperature, magnetism, and optics, as well as the paths of the sun, earth and moon through space.

**GEOL 210 Minerals and Rocks 3 cr.** Physical, chemical, structural, and optical properties of minerals; description and identification of common rock-forming and ore minerals; mineral associations and introduction to classification of common rock types. Field trip. Offered each spring. Lecture, 2 hours; laboratory, 2 hours. Prerequisites: GEOL 105 and CHEM 121 and 121L.

**GEOL 240 Geology of North Dakota 2 cr.** Geology of North Dakota for students with an interest in the geologic history of the state. Coverage includes sedimentary rock units of the state and history of glaciation. Lecture, 1 hour; laboratory, 2 hours. Prerequisite: GEOL 105 .

**GEOL 255 Economic and Petroleum Geology 3 cr.** Principles of petroleum geology, formation of mineral deposits, techniques of exploration, development, calculation of reserves. Offered alternate falls. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: GEOL 105.

**GEOL 290 Regional Geology 3 cr.** A study of the geology of a particular region in the United States or abroad. Class time involves introduction to the geology and preparation for a field trip to the region. Field trip is typically 10-14 days long and may involve hiking and camping. Special fees required. May be repeated for credit. Lecture 2 hours, field trip required. Prerequisites: GEOL 101 or GEOL 105 or consent of instructor.

**GEOL 300 Geologic Field Methods 3 cr.** Geologic mapping and sampling techniques. Students use basic mapping instruments, gather data, record it while in the field, and construct complete and accurate geologic maps. Offered alternate falls. Lecture, 1 hour; laboratory, 4 hours. Prerequisites: GEOL 106 and 210 or consent of instructor.

**GEOL 305 Methods in Mineralogy and Petrology 2 cr.** Application of modern laboratory methods to the study of minerals and rocks. Methods include optical and scanning electron microscopy, analysis of bulk materials by ICP-ACES and XRD, and EDX microanalysis of minerals. Offered alternate fall semesters. Laboratory: 6 hours.

**GEOL 310 Igneous and Metamorphic Petrology 3 cr.** Description and classification of igneous and metamorphic rocks based on mineralogy, textures, and chemical compositions; study of the origins of rocks through laboratory investigations of suites of related rocks. Field trip. Offered alternate springs. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: GEOL 305.

**GEOL 311 Paleontology 4 cr.** Fossilization, classification, evolution, and paleoecology. Geologic history and identification of major invertebrate phyla. Laboratory emphasizes fossil identification. Offered alternate falls. Field trip. Lecture, 2 hours; laboratory, 4 hours. Prerequisites: GEOL 106 or BIOL 151.

**GEOL 320 Oceanography 3 cr.** Nature, origin, and evolution of ocean basins and sea water. Sea water chemistry, movement, and ability to support life. Life forms. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: GEOL 105.

**GEOL 321 Hydrogeology 3 cr.** Surface water hydrology; runoff and stream flow; groundwater hydrogeology: distribution of groundwater, aquifer properties, local and regional groundwater flow, geology of groundwater occurrence; groundwater resource development and management; water law. Offered alternate springs. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: GEOL 210.

**GEOL 322 Geomorphology 4 cr.** Processes that shape the Earth's surface. Effects of rock type, geologic structure, and climate on the formation and evolution of land forms. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: GEOL 210.

**GEOL 331 Soils 3 cr.** Principles of soils including formation, properties, and classification. This course includes the use of soils information in environmental applications. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: GEOL 210.

**GEOL 340 Aqueous Geochemistry 3 cr.** Principles of aqueous chemistry and their application to various geologic environments; chemical weathering, carbonate systems, clay minerals, evaporites, ocean systems, acid deposition, kinetics, solubility and redox equilibria, ion-exchange. Offered alternate springs. Lecture, 2 hours; laboratory 3 hours. Prerequisite: GEOL 210.

**GEOL 361 Structural Geology 4 cr.** Stress, strain, mechanical behavior of rocks; description and interpretation of folds, faults, joints, and foliation; tectonic processes; interpretation of geologic maps and field data. Field trip. Offered alternate springs. Lecture, 2 hours; laboratory, 6 hours. Prerequisite: GEOL 210.

**GEOL 410 Advanced Earth Science by Inquiry 4 cr.** Course involving aiding instructors in Earth Science by Inquiry (GEOL 110). Students will conduct oral interviews with GEOL 110 students during GEOL 110 class to determine their progress. Students will be required to learn plate tectonics and observational astronomy in depth during class preparation periods. Course exposes future secondary science teachers to inquiry methods in earth science and teaches them alternate reasoning methods that can be used at a variety of instructional levels. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: consent of instructors.

**GEOL 411 Field Geology 6 cr.** The methods of geology, including the preparation of stratigraphic columns, cross sections and geologic maps integrated with paleoenvironmental interpretation and structural history. Students must write professional level reports. Offered in summer. Prerequisites: GEOL 361, 471, and consent of instructor.

**GEOL 421 Applied Hydrogeology 3 cr.** Mass transport in vadose and saturated zones; origin and behavior of inorganic and organic contaminants; investigative techniques; groundwater models; site remediation. Lecture, 2 hours; laboratory, 3 hours. Prerequisites: GEOL 321 and 340.

**GEOL 471 Sedimentation and Stratigraphy 4 cr.** Origins, characteristics, and classification of sedimentary rocks. Techniques of study, interpretation of data, lithostratigraphy, biostratigraphy, chronostratigraphy, and correlation. Offered alternate falls. Lecture, 3 hours; laboratory, 2 hours. Prerequisites: GEOL 105.

## **German**

**GERM 101 Beginning German I 4 cr.** (GE3) For beginners or those entering with one or two years of high school German. Introduction to listening, speaking, reading, writing, and culture.

**GERM 102 Beginning German II 4 cr.** (GE3) A continuation of Beginning German I . Prerequisite: GERM 101.

**GERM 201 Intermediate German I 4 cr.** (GE3) Review of basic German with increased practice in conversation and reading. Prerequisite: GERM 102, three years of high school German, or consent of instructor.

**GERM 202 Intermediate German II 4 cr.** (GE3) Continuation of GERM 201. Prerequisite: GERM 201.

**GERM 320 German Phonetics 2 cr.** German phonetics. Theoretical and practical study of German phonetics. Practice in pronunciation and intonation. Prerequisite: GERM 201 and 202 or consent of instructor.

**GERM 321 German Conversation and Composition 3 cr.** Advanced practice in oral and written skills using cultural reading and other media. Prerequisite: GERM 202 or consent of instructor.

**GERM 322 Introduction to German Literature 3 cr.** Designed to improve language skills with an emphasis on reading and to enhance the student's ability to understand literature. Includes study of poetry, drama, and narrative from the German-speaking world. Prerequisite: GERM 202 or consent of instructor.

**GERM 323 German Culture 3 cr.** Readings in culture and society from the German-speaking world. Prerequisite: GERM 202 or consent of instructor.

**GERM 422 Genres or Periods in German Literature 3 cr.** Study of a major genre or period in German literature. Topic varies from year to year.

**GERM 450 Senior Capstone Project in German 3 cr.** Individual research project on a cultural topic approved by the instructor one semester prior to enrollment in the course. Course restricted to majors.

**GERM 499 Special Topics 1-4 cr.** Topics will vary from year to year depending on student backgrounds and needs.

## **Health Management Science**

**HMS 151 Stress Management 2 cr.** (GE4) Focuses on utilizing concepts related to stress and stress management strategies to achieve holistic high level wellness.

**HMS 203 Health Care Through the Life Span 3 cr.** Provides an overview of promotion of health and prevention of illness throughout the life span.

**HMS 208 Medical Terminology 2 cr.** Comprehensive examination of prefixes, stems, and suffixes

as well as emphasis on pronunciation, spelling, and definitions of words used by health professionals including key pathology, diagnostic and treatment procedure terms.

**HMS 213 Life Span Growth and Development 3 cr.** Focuses on human growth and development throughout the life span. Prerequisite: PSY 111. Classroom Study = 45 hrs.

**HMS 215 Introduction to Pharmacology 3 cr.** Provides basic information about medications, use, and side effects. Includes dosage, classifications, federal regulations, principles and special situations.

**HMS 240 Nutrition 3 cr.** Nutrition and application to human dietary needs of people at different ages. Laboratory.

**HMS 260 Introduction to Public Health 3 cr.** Examines the history, biomedical basis, disciplines (epidemiology, statistics, social and behavioral sciences), and techniques of public health, including education and policy development. Focuses on the health care system, medical care, and trends in public health. Prerequisite: sophomore standing or departmental approval.

**HMS 279 Death and Dying 3 cr.** Provides a wholistic approach to end-of-life issues, including death, dying, and bereavement.

**HMS 379 Health and Physiological Aspects of Aging 3 cr.** Examines concepts of health, physiological changes, and health related practices of older adults. Required for Gerontology minor.

**HMS 460 Quality and Risk Management in Health Care 3 cr.** Examines the fundamentals of a health care quality and risk management program, including risk identification, loss prevention, loss reduction, claims management process, risk financing, legal-ethical factors, and clinical risk exposures. Provides experience in quality and risk management practices that are unique to the health care settings. Prerequisite: senior standing or departmental approval.

### **Health, Physical Education and Recreation**

**HPER 100 Concepts of Fitness and Wellness 2 cr.** (GE4) Provides information and skill training directed to assessing the health related components of physical fitness, proper nutritional needs for performing physical activities, laboratory activities (aerobic dance, calisthenics, walk/jog, and weight training), and the cognitive concepts of health related fitness.

**HPER 101 Dance 1 cr.** (GE4) Requires active participation and fundamental movement, including but not limited to social, folk and square dance.

**HPER 102 Jogging and Conditioning 1 cr.** Instruction, practice, and participation in the basic skills, body mechanics, and terminology associated with jogging and power walking. An emphasis is placed on developing a personal fitness program to fit the individual's needs and current abilities.

**HPER 103 Beginning Gymnastics 1 cr.** Requires active participation in fundamental tumbling skills, movement fundamentals, and warm-up.

**HPER 104 Team Sports 1 cr.** Requires active participation in (but not limited to) speedball,

flickerball, basketball, and softball.

**HPER 105 Outdoor Activities 1 cr.** (GE4) Requires active participation in (but not limited to) skiing, canoeing, cycling, camping, and associated outdoor activities.

**HPER 106 Soccer 1 cr.** Requires active participation in the fundamental skills of soccer.

**HPER 107 Introduction to Physical Education 2 cr.** Provides prospective physical educators with an insight into the broad scope of physical education. The student will have the opportunity to obtain an understanding and appreciation of this multifaceted field. Opportunities to assess what physical education offers in terms of career potential. Pre- or corequisite: HPER 100.

**HPER 108 Volleyball 1 cr.** Requires active participation in the fundamental skills and sport of volleyball.

**HPER 109 Racket Sports 1 cr.** (GE4) Requires active participation in (but not limited to) tennis, badminton, racquetball, and pickleball.

**HPER 110 Beginning Swimming 1 cr.** (GE4) Requires active participation in the fundamental skills of swimming. An emphasis will be placed on water survival skills based upon the American Red Cross water safety guidelines.

**HPER 111 Varsity Football 1 cr.** Requires active participation in varsity football.

**HPER 112 Varsity Basketball 1 cr.** Requires active participation in varsity basketball.

**HPER 113 Varsity Track & Field 1 cr.** Requires active participation in varsity track and field.

**HPER 114 Varsity Tennis 1 cr.** Requires active participation in varsity tennis.

**HPER 115 Varsity Golf 1 cr.** Requires active participation in varsity golf.

**HPER 116 Varsity Cross Country 1 cr.** Requires active participation in varsity cross country.

**HPER 117 Varsity Volleyball 1 cr.** Requires active participation in varsity volleyball.

**HPER 118 Varsity Cheerleading 1 cr.** Requires active participation in cheerleading during the fall or winter sports.

**HPER 119 Varsity Softball 1 cr.** Requires active participation in varsity softball.

**HPER 120 Weight Training 1 cr.** (GE4) Instruction, practice and participation in the basic skills, body mechanics, and terminology associated with weight training. An emphasis is placed on developing a weight training program to fit the individual's needs and current abilities.

**HPER 121 Varsity Baseball 1 cr.** Requires active participation in varsity baseball.

**HPER 124 Individual Sports 1 cr.** Requires active participation, terminology, knowledge and skills

associated with (but not limited to) golf and archery.

**HPER 125 Intermediate Swimming 1 cr.** (GE4) Requires active participation in the perfection of swimming skills.

**HPER 126 Group Fitness 1 cr.** (GE4) Requires active participation in fundamental movement skills and routines associated with group fitness or water aerobics.

**HPER 127 Advanced Hunter Education 1 cr.** (GE4) Provides North Dakota Hunter Education certification, firearms history and nomenclature, marksmanship theory and practice, firearm handling and safety (which includes live firing with shotgun), basic first aid survival, hunting history, philosophy, and hunter ethics.

**HPER 207 Prevention and Care of Injuries 2 cr.** Provides a basic understanding of common injuries. Focus will be on the evaluation and course of treatment of the injuries presented.

**HPER 210 First Aid and CPR 2 cr.** Provides instruction in first aid, emergency care procedures, and CPR, which leads to certification by the American Red Cross.

**HPER 215 Methods of Teaching Sports Activities 2 cr.** Provides instruction, practice and teaching experience in sports activities. Fundamental rules, skills, terminology and teaching strategies will be emphasized in (but not limited to) the following sports: softball, soccer, speedball, volleyball, badminton, racquetball, archery, golf, tennis, wallyball, pickleball and ultimate frisbee. This course is restricted to PE majors and minors, and corporate fitness majors.

**HPER 220 Methods of Teaching Dance 2 cr.** Provides practice, instruction, and teaching experience in (but not limited to) social, folk and square dance. Emphasis will be placed on methods and techniques of teaching the rhythms of dance steps and placement of dance. This course is restricted to PE majors and minors, and corporate fitness majors.

**HPER 226 Methods of Teaching Group Fitness and Weight Training 2 cr.** Provides instruction, practice, and teaching experience in aerobic exercise and weight training. Fundamental terminology, skills and teaching techniques of the two activities will be emphasized. Students will practice developing training routines tailored to fit ability, fitness level, and desired outcomes of their future students and clients. Prerequisites: HPER 120 and 126.

**HPER 230 Community Water Safety 2 cr.** Provides instruction and practice in personal water safety fundamentals as designed by the American Red Cross.

**HPER 231 Water Safety Instructor 2 cr.** Provides certification for American Red Cross WSI and methodology of teaching in American Red Cross required swimming programs. Certification requires passing of a proficiency swimming test.

**HPER 250 Officiating 2 cr.** The study of rules, interpretations, and techniques of officiating following the guidelines of the National Federation of State High School Activities Associations.

**HPER 260 First Aid Instructor Trainer 2 cr.** Provides instructor certification for American Red Cross First Aid, CPR, and Basic Life Support. Requirements are established by the American Red Cross. Prerequisite: HPER 210.

**HPER 301 Psychomotor Development 2 cr.** Provides an understanding of the changes that occur in motor behavior over the entire life span. Participants will have opportunities to discuss issues relating to various motor development theories and to the different influences affecting an individual's motor development. Participants will have opportunities to observe and analyze fundamental motor patterns as they are performed in various settings. Emphasis is placed on the identification of components of correct form, the detection of incorrect form, and the appropriate use of skill cues to prompt participants toward correct form.

**HPER 310 Organization and Administration of PE and Athletics 2 cr.** Provides a study of administration and management concepts and management responsibilities relevant to teaching and non-teaching career fields. Prerequisite: HPER 107.

**HPER 334 Nutrition for Physical Performance 2 cr.** Provides information on how nutritional habits affect physical performance. An emphasis will be placed on knowledge of the six basic nutrients, food groups, calories, and energy expenditure.

**HPER 340 Elementary Methods and Activities 3 cr.** Provides prospective teachers with an understanding of a contemporary and reflective approach to teaching elementary physical education grades K-6. This approach to teaching is based on "Dynamic Physical Education for Elementally School Children" by Robert P. Pangrazi Ph.D. and serves as the content for the recently published National Standards for Physical Education (Moving into the Future, 1995). Participants will learn and practice a set of specific teaching behaviors and curriculum development skills, which will be most useful as beginning teachers. Peer teaching and participation in up to six field experiences in surrounding elementary schools are also a part of this class. Activities in this class will result in materials meeting many of the INTASC standards. Prerequisites: HPER 301 and Admission to Teacher Education. In addition, this course is a prerequisite for HPER 341 and it is highly recommended that this it also be taken prior to HPER 391.

**HPER 341 Practicum for Elementary Physical Education 2 cr.** Provides prospective physical education teachers with active participation in the complete process of teaching developmentally appropriate physical education to children in grades K-6. This approach to teaching is based on "Dynamic Physical Education for Elementary School Children" by Robert P. Pangrazi Ph.D. and serves as the content for national standards for physical education (Moving into the Future, 1995). Participants will receive twenty-four contact hours with children during which time they will practice and refine instructional skills first taught in HPER 340. Prerequisites: HPER 340 and Admission to Teacher Education.

**HPER 360 Administration of School Health Programs 3 cr.** The development and administration of the public school health program, with emphasis being placed on health services, healthful school living, and health instruction. Special emphasis placed on developing and administering health instruction material for the elementary through senior high school program based upon the guidelines and recommendations of the North Dakota Department of Public Instruction.

**HPER 361 Vital Health Issues 3 cr.** Provides participants with an understanding of various current health topics and issues including (but not limited to) stress, mental health, intimate relationships, weight management, and substance abuse.

**HPER 362 Principles and Methods of Teaching School Health 3 cr.** Provides prospective teachers with an understanding of a contemporary and reflective approach to teaching health in

the public schools grades K-12. This approach to teaching is based on learner-centered instructional strategies. Participants will learn and practice skills that will be most useful to them as beginning teachers such as: (a) establishing the learning environment; (b) planning appropriate and meaningful learning experiences; and (c) using effective teaching behaviors to implement the lesson plans.

**HPER 391 Secondary Physical Education Methods and Practicum 4 cr.** This course has two major components. First, methods coursework done at MSU which provides teaching strategies for classroom management, planning, instruction, and assessment of teacher as well as student behavior. Application of current theories of motivation are explored and applied in this course. Second, forty-five contact hours with secondary students will provide extensive opportunity to apply current practices learned in the classroom. Prerequisites: HPER 301, Admission to Teacher Education, and it is highly recommended that students take HPER 340 prior to enrolling in this course. Course restricted to Physical Education majors.

**HPER 401 Methods of Coaching Football 2 cr.** Provides techniques, skills, strategies and coaching procedures developed through classroom presentations and skill sessions.

**HPER 402 Methods of Coaching Basketball 2 cr.** Provides fundamental and team concepts developed through classroom and skill sessions.

**HPER 403 Methods of Coaching Track 2 cr.** Provides responsibilities, rules, methods and techniques of coaching track and field. Laboratory work and skill sessions.

**HPER 404 Methods of Coaching Baseball/Softball 2 cr.** Provides fundamental and team concepts developed through classroom presentations and skill sessions.

**HPER 405 Methods of Coaching Wrestling 2 cr.** Provides the requirements, responsibilities, and methods of coaching wrestling on a secondary or junior high school level. Along with classroom lecture and discussion the students will be required to observe practice sessions and matches at the local junior and senior high schools.

**HPER 406 Methods of Coaching Volleyball 2 cr.** Provides techniques, skills, strategies and coaching procedures developed through in-class analysis and on court skill sessions.

**HPER 407 Psychology of Physical Education and Athletics 2 cr.** Provides knowledge of the psychological aspects of participation in physical education and athletic events. Emphasis will be placed on the teacher/coach and student/athlete relationship in regard to developing communication, leadership, motivation, self-confidence, and goal setting skills. Prerequisite: PSY 111.

**HPER 410 Advanced Athletic Injuries and Modalities 3 cr.** Provides specific manual examinations involved in the evaluation of athletic injuries. Use of therapeutic modalities in the treatment of athletic injuries will also be studied. Students will take part in laboratory work in order to facilitate hands on experience. Prerequisite: HPER 207.

**HPER 431 Kinesiology 3 cr.** Provides study of joint movements and muscle action as related to physical activities. Prerequisite: BIOL 115 or 220, and/or 221.

**HPER 433 Physiology of Exercise 3 cr.** Provides a comprehensive study of the physiological

effect of muscular exercise and training upon the organs and systems of the body. Prerequisite: HPER 431.

**HPER 441 Evaluation of Psychomotor Performance 3 cr.** Designed to provide the corporate fitness and physical education major with an understanding of contemporary methods used to measure and evaluate psychomotor skills and performance. Emphasis will be placed on learning and practicing techniques necessary for proper evaluation of health and performance related to physical fitness and selected sports skills.

**HPER 442 Methods of Teaching Physical Education to the Disabled 2 cr.** Provides practical methods and teaching applications that can be used in a mainstreamed or adapted group games, dance, and individual and dual sports. Prerequisite: HPER 215.

**HPER 496 Coaching Activities Practicum 2 cr.** Coaching minors work with experienced coaches in the field to gain practical experience in a field setting. All practicum's arranged by the department.

**HPER 497 Corporate Fitness Practicum 2-8 cr.** 160 hours of practicum experience at three sites in a recreation, wellness, or performance setting. Restricted to junior and senior corporate fitness majors. All HPER courses for the major must be completed.

## History

The following category codes identify which courses may be taken to meet the chronological and distributed history requirements specified for program electives. Each individual course may be used to meet only one requirement.

CI Course on period before 1900  
C2 Course on period since 1900  
T Course on topical/comparative/thematic issues  
US Course with U.S. focus  
EU Course with European focus  
NW Course with non-western focus

**HIST 101 Western Civilization I 3 cr.** (GE2) A survey of the political, intellectual, social and economic trends of Western Civilization from the Classical Age to the French Revolution. EU/C1

**HIST 102 Western Civilization II 3 cr.** (GE2) A survey of the political, intellectual, social, and economic trends of western civilization from the French Revolution to the present. EU/C2

**HIST 103 U.S. History to 1877 3 cr.** (GE2) Survey of U.S. history from Colonial period to end of Reconstruction. US/C1

**HIST 104 U.S. History from 1877 3 cr.** (GE2) Survey of U.S. history from end of Reconstruction to present. US/C2

**HIST 199H Modern World Origins 3 cr.** A seminar in the origins of the modern world. Class time will emphasize student discussion of assigned relevant historical sources, both primary and secondary. In addition, there will be extensive and varied writing assignments. Honors Program admission of 3.30 cumulative GPA and permission of the instructor is required.

**HIST 201 Early Modern European Social-Cultural History 3 cr.** A study of the social and cultural history of Europe from the 16th century to the eve of the French Revolution. Recommended prerequisite: HIST 101. EU/T.

**HIST 203 Modernization of Early America 3 cr.** This course will introduce students to the major developments in American social, intellectual, and cultural history from discovery through the Civil War. The focus of the course will be on the concept of modernization; why, when and how was life in America evolving toward those characteristics we consider part of modern life? Central topics will include cultural interaction, daily life, the development of a new society, American exceptionalism, the evolution of American intellectual thought, democratization, social movements, and the development of an American literature. Prerequisite: HIST 104. EU/T

**HIST 212 World Civilizations since 1500 3 cr.** (GE2) This course surveys non-Western History between 1500 and the present. It focuses on the continents of Asia, Africa and Latin America, examining these continents' cultures and histories from their own perspectives. Special emphases will be placed on religion, organization of societies, continuity and discontinuity of cultures, interaction with Europe and North America, colonialism, and global exchange. NW/T

**HIST 220 North Dakota History 3 cr.** Survey of the trends and problems in the State of North Dakota and their relations to the upper Mississippi Valley area, from Indian heritage to the present. US/T

**HIST 231 Latin American History Survey 3 cr.** Survey of the countries below the Rio Grande from pre-Colombian times to the present. Special attention to continuity of Native American culture, colonial legacies, identity, gender roles, revolutions, relations with the U.S., and land and income distribution. NW/T

**HIST 240 African History Survey 3 cr.** Africa has a wide variety of cultures and peoples. In this survey, we will study civilizations in as different areas as the Egyptian Nile, the Malian savanna, the Congolian rainforest, and East Coast Swahili traders. Topics include: ancient Egypt, Islam, European colonialism and its consequences, apartheid, women, and kinship. NW/T

**HIST 261 American Indian History 3 cr.** A survey of American Indian history from pre-contact to the present, providing an overview of major trends and developments. US/T

**HIST 280 Practice and Method 3 cr.** This colloquium introduces students to the tools, research and writing methods, resources and theoretical approaches required in upper level history courses. It includes a small student-initiated research project that will allow students to refine their skills. The course also features discussion of readings that illustrate a wide variety of historical approaches and methods. To be taken upon declaring a major in history or social science. Course restricted to majors. (Offered spring semester only.)

**HIST 299/499 Special Topics in History 1-8 cr.** These are flexible courses that may be taught depending on student needs. The design of the course is to present the student an opportunity to concentrate on various topics. Prerequisites may apply.

**HIST 315 History of American Women 3 cr.** The experience of women in American history, with emphasis upon the continual change in woman's role and differences brought about by region, ethnicity, and economic class. Prerequisites: HIST 103 or 104 or consent of instructor. US/T

**HIST 319 Colonial America 3 cr.** Traces the development of the colonies from the time of European exploration and early English colonization to the confrontations between Britain and America in the 1760s and 1770s. Prerequisite: HIST 103 or 104 or consent of instructor. US/C1

**HIST 320 The Early Republic 3 cr.** Study of the social, intellectual, political, and diplomatic forces, issues, and personalities in America's formative (1781-1824) years. Prerequisite: HIST 103 or 104 or consent of instructor. US/C1

**HIST 325 Sectionalism and the Civil War 3 cr.** Traces the rise of sectionalism as a force in antebellum America leading to the Civil War. Prerequisite: HIST 103 or 104 or consent of instructor. US/C1

**HIST 328 The Transformation of America 3 cr.** Study of industrialization, urbanization, and immigration in America from 1865 to 1901, focusing on the social, political, and international consequences of and reaction to economic change. Prerequisite: HIST 103 or 104 or consent of instructor. US/C1

**HIST 330 20th Century US Foreign Policy 3 cr.** This course will examine the foreign policy of the United States during the twentieth century, as the nation attempted to respond to and control an ever-changing international context. Emphasis will be given to Progressive foreign policy, the World Wars, the Cold War, the growing visibility of Third World nations, and the post-Cold War world. Prerequisites: HIST 102 or HIST 104. US/C2.

**HIST 336 African American History 3 cr.** Examines the history of African Americans in American society from 1619 to the present, including the West African cultural context, cultural retentions and changes in the American environment, and the emergence of cohesive African American culture. The course pays special attention to the ideas, contributions, and changing roles of African Americans with American society, economy, culture, and politics. Prerequisite: HIST 103 or 104 or consent of instructor. US/T

**HIST 337 Imperialisms in Asia 3 cr.** Models of western imperialism will be contrasted with those developed by Japan and China to develop a comparative study of political, cultural, and social developments in Japan, Indochina, China, and other Asian countries. Recent trends and relationships with the West will be emphasized. Prerequisite: HIST 102 or 104 or consent of instructor. Prerequisite: HIST 103. NW/C2

**HIST 338 History of South Africa 3 cr.** South Africa is one of the most beautiful countries in the world, with fascinating historical developments. It is ethnically very diverse, combining African, European, and Asian populations. Today it is trying to forge a new identity as a recently democratic country. The course will examine cultural, political, social, and economic developments from pre-colonial times to the present. Some topics are: Zulu Wars, Cecil Rhodes' diamonds, the Great Trek, the Boer War, ANC, Apartheid, race relations, and the Truth and Reconciliation Committee. Prerequisite: HIST 101, 102, or 212, or consent of instructor. NW/T

**HIST 340 Medieval History 3 cr.** The study of Europe, East and West, from the break-up of the Roman Empire to the Renaissance (1500). Prerequisite: HIST 101 or 102 or consent of instructor. EU/C1

**HIST 341 Renaissance and Reformation 3 cr.** An in-depth study of the important themes, both secular and religious, of the Renaissance and Reformation eras. Prerequisite: HIST 101 or 102 or consent of instructor. EU/C1

**HIST 347 The Making of Modern Europe 3 cr.** A thematic study of Europe during the age of the industrial and social revolution, 1815-1945. This course compares major social and cultural trends across a variety of European nations. Prerequisite: HIST 101 or 102 or consent of instructor. EU

**HIST 350 Europe in 20th Century 3 cr.** A detailed consideration of the main political, intellectual, social and economic trends of 20th century Europe. Prerequisite: HIST 101 or 102. EU/C2

**HIST 360 History of Technology 3 cr.** A comparative study of how societies have made choices about technology in history. Case studies will be selected globally to address topics such as: urban planning, military technologies, gender and medical technology, the relationship between industrialization and work, domestic technologies and the communications revolution. These cases illuminate major theories of technology, asking whether technology drives history or if it is a social construction. Prerequisite: HIST 101, 102 or 104 or consent of instructor. EU/T

**HIST 363 Atlantic History 3 cr.** Globalization is not a recent phenomenon. As early as the 15th century, Africans, Americans, and Europeans exchanged ideas, goods, animals, plants, diseases, and people on an ever increasing scale. In this course we will study the various levels of interactions between Africans, Americans, and Europeans between about 1400 and 1800 on the four inhabited continents bordering the Atlantic Ocean. Prerequisite: HIST 101, 102, 103 or 104 or consent of instructor. T/C1

**HIST 365 Peoples and Cultures of Native North America 3 cr.** The course surveys the major culture areas of North America prior to contact with Europeans. In each region particular attention is given to one group or nation to highlight cultural adaptations and development. Prerequisite: HIST 103 or 104 or consent of instructor. US/T

**HIST 380 History of Mexico 3 cr.** Mexico and the U.S. are entering into an ever closer relationship, but their histories are quite different. This survey outlines the Mexican past from pre-Colombian to modern times. We will focus on one area (the Andes or Meso America) and study a wide variety of topics such as: conquest, colonialism, religion, gender, protests, and ecology. Prerequisite: one of the following HIST 101, 102, SPAN 344 or consent of instructor. NW/T

**HIST 385 History of Brazil 3 cr.** Brazil is more than carnival alone, but that is a fundamental aspect of the largest South American society. In this course, we will examine Brazilian history and society from a wide variety of angles. The country is very diverse: from the Amazon rainforest where native peoples still live in isolation, to the Sao Paulo metropolitan area that can compete with any Western country as to modernity and industrial development. Brazil is a country full of contrasts: optimistic but sad, dancing sambas but violent. In the course we will examine Brazil's past and how this contributed to the country's present social, economic, political, and cultural situation. Prerequisite: one of the following HIST 101, 102 or consent of instructor. NW/T

**HIST 392 Experimental Course in History 3 cr.** This is an experimental course that may be taught depending on department needs. The design of the course is to allow the instructor to test and assess content and methodology that may become a permanent part of a department's course listings. Prerequisites: HIST 101, 102, 103, or 104 or consent of instructor.

**HIST 399 Readings in History 1-3 cr.** Study and discussion of readings in history. Specific topic will be arranged with the instructor. Prerequisite: consent of instructor.

**HIST 401 Historiography 3 cr.** A course to consider both the philosophy or theory of history as well as the mechanics of “doing” history. Prerequisites: HIST 101, 102, 103, 104, or consent of instructor. (Offered fall semester only.)

**HIST 410 Trans-Mississippi West 3 cr.** An in-depth look at the impact of this region on the development and growth of America. Prerequisites: HIST 103 and 104 or consent of instructor. US/T

**HIST 415 20th Century America 3 cr.** A seminar focusing on a particular theme or time period of 20th century American history. A specific focus will be selected each time the course is offered. Prerequisites: HIST 103 and 104 or consent of instructor. T/C2

**HIST 420 Indian Peoples of the Great Plains 3 cr.** Study of the culture and history of the Indian Peoples of the Great Plains. Prerequisites: HIST 103 and 104 or consent of instructor. US/T

**HIST 430 Native American Social History 3 cr.** Seminar examining the different social experiences of Native peoples in North America. Topics include, among others, historical demography, gender, intercultural relations, migration, and urbanization. Prerequisites: HIST 103 and 104 or consent of instructor. US/T

**HIST 435 Latin American History Seminar 3 cr.** A seminar focusing on a particular aspect of the history of the Latin American societies. Topics for focus may vary from Amerindian societies, gender, environmental history, social-economic situation, and relations with the U.S. Prerequisites: two of the following HIST 101, 102 or consent of instructor. NW/T

**HIST 440 Comparative Slavery in the Americas 3 cr.** North and South America have different experiences with slavery. In this course we will compare and contrast the African impact on both continents, especially in Brazil and the United States. Some topics that we will study are: the slave trades, runaway slave societies, the Haitian revolution, African religions, race relations, gender roles, families, and the meanings of freedom. Prerequisites: two of the following HIST 101, 102, SPAN 344 or consent of instructor. T/C1

**HIST 444 The French Revolution and Napoleon 3 cr.** The seminar will cover the issues involved in the French Revolution and the rise of Napoleon, the French Empire and its effect on Europe and the world. Prerequisites: HIST 101, 102, and 201 or 341 or consent of instructor. EU/C1

**HIST 448 Medieval and Early Modern Germany 3 cr.** A seminar in topics dealing with the history of Germany from the Middle Ages to the 17th century. Prerequisites: HIST 101 and 102 or consent of instructor. EU/C1

**HIST 450 Modern Germany 3 cr.** An in-depth study of the major themes of modern German history from 1815 to the present. Prerequisites: Prerequisites: HIST 101 and 102 or consent of instructor. EU/C2

**HIST 460 Modern France and Francophone Society 3 cr.** An in-depth seminar on the major themes of modern French history from 1750 to the present. Prerequisites: HIST 101 and 102 or consent of instructor. EU/C2

**HIST 491 History Seminar 3 cr.** An advanced seminar in history with a major paper requirement. Prerequisite: consent of instructor.

**HIST 497 Internship 3 cr.** Placement in applied public history setting for practical experience. Course is offered on a pass/fail basis. Prerequisite: HIST 280 and consent of instructor.

**HIST 499 Special Topics in History 1-8 cr.**

### **Humanities**

**HUM 210 Research Strategies 2 cr.** Both practical and theoretical in scope, this class is designed to help students become full participants in our Information Society. This class uses a mixture of lecture, in class discussion, hands on assignments, and a written research project to give the student the technical skills and critical thinking abilities they need to use the printed and electronic information resources found in libraries and on the Internet.

**HUM 251 Humanities 3 cr.** (GE3) Integrated course in art, literature, and music from the Stone Ages through the Early Middle Ages.

**HUM 252 Humanities 3 cr.** (GE3) Integrated course in art, literature, and music from the Gothic Period through the Seventeenth Century.

**HUM 253 Humanities 3 cr.** (GE3) Integrated course in art, literature, and music from the Eighteenth Century to the Modern Era.

**HUM 254 Non-Western Humanities 3 cr.** (GE3) An integrated survey of the art, literature, philosophy, and history of a particular non-western culture. The specific culture studied from year to year will vary but could rotate among Japanese, African, pre-Columbian American, Chinese, or Indian. May be repeated for credit.

**HUM 299/499 Special Topics 1-3 cr.** Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offerings of current topics. Prerequisite: Consent of instructor.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Course Descriptions I - L

[Interdisciplinary](#)  
[Language](#)

#### Interdisciplinary

**INT 101 University 101 1 cr.** An intensive orientation program offered to prepare incoming students for academic and social life at Minot State University. Students are introduced to the services and opportunities available through the University. Students also learn basic concepts behind higher education and engage in exercises that emphasize the use of writing and critical thinking.

**INT 175 Transition to University Life 2 cr.** This course is designed to ease the new student's transition into college and provide opportunities for the student to obtain knowledge and skills necessary to complete his/her educational goals. Some of the topics covered are: campus resources, stress management, assertive communication, conflict resolution, leadership, and money management.

**INT 190 Study Skills 2 cr.** This course will contain practical strategies for a successful college experience. Topics will include: time management, listening skills, textbook reading skills, identifying learning styles, test-taking techniques, and effective writing. This course is appropriate for anyone wishing to improve learning skills.

**INT 299/499 Special Topics variable cr.** Topics variable. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

#### Language

**LANG 390 Foreign Language Methods 3 cr.** Introduction to practical methods for teaching foreign languages. Observation of high school classes and some practice teaching are included. This course is required of foreign language majors and minors in the BSE program. Prerequisite: Admittance to Teacher Education.

**LANG 451 Study Abroad 1-4 cr.** Students complete a significant period of immersion in the target culture. The foreign language faculty assist students with making arrangements for study abroad. Course restricted to majors.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS





Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Course Descriptions M - P

[Math](#)  
[Music](#)  
[Nursing](#)  
[Philosophy](#)  
[Physics](#)  
[Political Science](#)  
[Psychology](#)

CURRENT STUDENTS  
FUTURE STUDENTS  
ALUMNI & FRIENDS

### Math

**MATH 099 Beginning Algebra 3 cr.** Offered through Continuing Education. Cannot be counted toward graduation hours.

**MATH 102 Intermediate Algebra 4 cr.** Real Numbers, simple algebraic expressions, linear equations, graphs, factoring, quadratic equations.

**MATH 103 College Algebra 4 cr.** (GE5) Linear and quadratic equations, radicals, exponents and logarithms, rational expressions, systems of linear equations, matrices and determinants, sequences, series, function notation and graphing..

**MATH 104 Finite Mathematics 4 cr.** (GE5) Systems of linear equations and inequalities, matrices, linear programming, logic, mathematics of finance, elementary probability, and descriptive statistics. Prerequisite: MATH 102 or departmental approval.

**MATH 107 Precalculus 4 cr.** (GE5) Trigonometric functions, solving triangles, analytic geometry, theory of equations, sequences, series and induction. Prerequisite: MATH 103 or advanced placement.

**MATH 146 Applied Calculus 3 cr.** (GE5) Introduction to differential and integral calculus with applications from areas such as social science and business. Prerequisite: MATH 103 or advanced placement.

**MATH 165 Calculus I 4 cr.** (GE5) Limits, continuity, differentiation, intermediate value and mean value theorem, indefinite integrals, definite integrals. Prerequisite: Math 107 or advanced placement.

**MATH 166 Calculus II 4 cr.** Applications of integration, methods of integration, polar equations, sequences, series and power series. Prerequisite: MATH 165.

**MATH 201H Ascent of Math 3 cr.** Selected topics in mathematics such as: sets, logic, number theory, mathematical systems, and probability and their relation to problem solving. Prerequisite: Two years of high school algebra or departmental approval.

**MATH 205 Mathematical Proof and Problem Solving 3 cr.** A course on mathematical proofs and axiomatic systems. Topics may include set theory, formal logic, combinatorics, graph theory. Prerequisite: MATH 165.

**MATH 208 Discrete Mathematics 4 cr.** Sets, relations and functions, combinatorics, logic, Boolean algebra, difference equations, graph theory, automata. Prerequisite: MATH 103.

**MATH 240 Applied Statistics 4 cr.** Sampling, descriptive statistics, probability and statistical inference, statistical inference and multivariate statistics. Use of computers to solve problems in elementary statistics. Prerequisite: MATH 103.

**MATH 265 Calculus III 4 cr.** Functions of more than one variable, multiple integrals, line integrals, Green's and Stoke's theorem. Prerequisite: MATH 166.

**MATH 266 Introduction to Differential Equations 3 cr.** First order equations, linear equations, systems of equations, series methods. Corequisite: MATH 265.

**MATH 277 Mathematics for Elementary Teachers I 3 cr.** A course for elementary education majors. Topics include problem solving, number systems (natural numbers through the reals), number theory, and proportional reasoning. Calculators, computer software and manipulatives used throughout the course. Prerequisite MATH 103.

**MATH 299 Special Topics 1-4 cr.**

**MATH 305 Linear Algebra 4 cr.** Real vector spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, vector geometry. Prerequisite: MATH 107.

**MATH 315 Modeling 3 cr.** Using mathematical reasoning to model open ended "real world" problems. Topics include graphic modeling, proportionality optimization, dimensional analysis and simulation. Prerequisites: MATH 165.

**MATH 320 Number Theory 3 cr.** Unique factorization, residue theory, Diophantine equations, quadratic equations and reciprocity. Prerequisite: MATH 165.

**MATH 330 College Geometry 4 cr.** Geometry for secondary teachers. Euclidean geometry using both inductive and deductive approaches. Teaching tools include LOGO, Geometers Sketchpad, and See Through Mirrors. Standard topics plus finite and transformational geometry. Prerequisite: Math 165.

**MATH 345 Linear Models I 4 cr.** An introduction to statistical methods including topics from sampling, hypothesis testing, non-parametric statistics, resampling, simple and multiple regression, and the general linear model. Computer statistical packages will be integrated into the course. Prerequisite: Math 240 or equivalent.

**MATH 346 Experimental Design 4 cr.** Statistical methods including topics from analysis of

variance; fixed and random factors; block, nested, and crossed designs; factorial, fractional factorial and confounded designs; split plot designs; and multivariate analysis. Computer statistical packages will be integrated into the course. Prerequisite: Math 345.

**MATH 377 Mathematics for Elementary Teachers II 2 cr.** A course for elementary education majors. Topics include probability, statistics, and geometry. Calculators, computer software, and manipulatives are used throughout the course. Prerequisite: Math 103 or equivalent.

**MATH 380 History of Mathematics 3 cr.** Development of mathematics from its early beginning through the present axiomatic approach. Problems from each era are included. Prerequisite: MATH 165.

**MATH 391 Teaching Mathematics 4 cr.** Intended for secondary mathematics teachers. Planning mathematics lessons, developing mathematics teaching skills. Observation and practicum. Prerequisites: MATH 166 and admission to Teacher Education.

**MATH 393 Math Education Seminar 1-4 cr.** Examination of problems and trends in the teaching of secondary school mathematics. Corequisite: ED 493.

**MATH 394 Independent Study 1-4 cr.**

**MATH 420 Abstract Algebra 4 cr.** Introduction to abstract algebraic systems. Groups, rings, homomorphisms and isomorphisms. Prerequisites: MATH 310, MATH 320.

**MATH 445 Probability and Statistics I 4 cr.** Introduction to probability, discrete and continuous random variables, distribution functions, special probability distributions. Prerequisites: MATH 146 or MATH 166.

**MATH 446 Probability and Statistics II 4 cr.** Multivariate probability distributions. Functions of random variables, moment generating functions, sampling distributions, estimation methods, properties of point estimations, linear models, some special experimental designs. Prerequisite: MATH 445.

**MATH 450 Real Analysis 4 cr.** Limits of functions and sequences, continuity, topology of the reals, differentiation, Riemann Integration, convergence and uniform convergence. Prerequisites: math 166, Math 310.

**MATH 460 Complex Analysis 3 cr.** Analytic functions, conformal maps, Cauchy integral formula, residue theorem. Prerequisites: MATH 265 and MATH 450.

**MATH 470 Numerical Analysis 3 cr.** Error analysis, numerical differentiation and integration, linear systems and numerical solutions to differential equations. Prerequisites: CSCI 128, MATH 266, 305.

**MATH 494 Independent Study 1-4 cr.**

**MATH 499 Special Topics 1-4 cr.**

**Music**

**MUSC 099 Recitals/Concerts 0 cr.** This is a non-credit course which will appear on each music major's semester program. It is designed to accumulate information as to the student's required attendance at predesignated recitals, concerts, and seminars. The final grade will be either Satisfactory (S) or Unsatisfactory (U).

**MUSC 100 Music Appreciation 3 cr.** (GE3) Designed for the non-music major and may be used as partial fulfillment of Humanities requirement. Representative works from many cultures will be studied.

**MUSC 101 Fundamentals of Music 2 cr.** Introduction to fundamental elements of music and functional musicianship for non-music majors.

**MUSC 102 Private Piano 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 103 Private Harpsichord 1 cr.** (\$150 lesson fee for non-majors.) Course restricted to majors.

**MUSC 105 Women's Chorus 1 cr.** Open to female singers with interest in singing.

**MUSC 106 Private Organ 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 111 Private Voice 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 115 Opera-Musical Production 1 cr.** Techniques of production and staging dramatic musical works, employing operas and scenes from operas. Prerequisite: consent of instructor.

**MUSC 116 Private Strings 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 117 Private Classical Guitar 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 119 Vocal Ensemble 1 cr.** Membership subject to approval of director. (Rehearsals by arrangement.)

**MUSC 120 Concert Choir 1 cr.** (GE4) Membership subject to approval of director.

**MUSC 122 Music Theory I 3 cr.** Study of music notation and basic structure of music, including key signatures, scales, chords, four-part writing and instrumental notation. Provides students with practical applications of music theory concepts. Meets three times weekly.

**MUSC 123 Aural Skills I 1 cr.** A lab experience meeting twice weekly, to develop abilities in sight-singing, ear training, rhythm reading and error detection, interval and chord identification.

**MUSC 124 Music Theory II 3 cr.** Further develops a student's understanding of music notation and basic structures of music, including voice-leading, figured bass, melodic forms, modulations and seventh chords. Meets three times per week. Prerequisite: MUSC 122.

**MUSC 125 Aural Skills II 1 cr.** A lab experience meeting twice weekly, to develop abilities in sight-singing, ear training, rhythm reading and error detection, interval and chord identification.

Prerequisite: MUSC 123.

**MUSC 126 Private Brass 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 127 MSU Singers 1 cr.** By audition.

**MUSC 130 Brass Ensemble 1 cr.** Rehearsals are arranged and membership is subject to approval of director.

**MUSC 131 Private Percussion 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 133 Private Woodwinds 0.5-4 cr.** (\$150 lesson fee for non-majors.)

**MUSC 135 Woodwind Ensemble 1 cr.** Rehearsals arranged and membership subject to approval of director.

**MUSC 140 String Ensemble 1 cr.** Membership subject to approval of director.

**MUSC 145 Percussion Ensemble 1 cr.** Rehearsals are arranged and membership subject to approval of director.

**MUSC 150 Orchestra 1 cr.** (GE4) Rehearses Thursday evening. The Minot Symphony Orchestra is a university-community organization. Open to qualified students upon approval of director.

**MUSC 155 Wind Ensemble 1 cr.** Open to qualified students subject to approval of director.

**MUSC 160 Concert Band 1 cr.** (GE4) Open to qualified students subject to approval of director.

**MUSC 165 Jazz Ensemble 1 cr.** Open to qualified students subject to approval of director.

**MUSC 167 Jazz Combo 1 cr.** Open to qualified students subject to approval of director.

**MUSC 177 Functional Piano 1 cr.** A piano class designed for students who are beginners on the instrument, first year theory students, and elementary education majors. Course restricted to majors. (Class meets twice weekly.)

**MUSC 178 Functional Piano 1 cr.** Continuation of MUSC 177. Prerequisite: MUSC 177. (Class meets twice weekly.)

**MUSC 180 Class Guitar I 1 cr.** Beginning technique in chord and melody playing is developed in class ensemble. Courses in progressive order of advancement.

**MUSC 181 Class Guitar II 1 cr.** Continuation of MUSC 180. Prerequisite: 180.

**MUSC 201 World Music 3 cr.** (GE3) Designed to introduce the world's major music's in order to encourage and enhance cultural diversity. May be used as partial fulfillment of the Humanities requirement.

**MUSC 205 History of the United States Through its Music 3 cr.** (GE3) Designed for the non-music major and may be used as partial fulfillment of the Humanities requirement. American music which accompanied significant historical eras and development will be studied.

**MUSC 222 Music Theory III 3 cr.** A continuing study of the underlying theoretical background of tonal music, begun in Theory I and II. Topics include a thorough study of chromatic harmony and the deterioration of functional harmony in the late 19th century to the demise of tonality in the 20th. Analytical techniques are stressed. Meets three times per week. Prerequisite: MUSC 123, 124 or 125.

**MUSC 223 Aural Skills III 1 cr.** A practical continuation of previous aural studies. Areas to be covered include advanced work in musical dictation, error detection, and sight singing. Meets twice per week. Prerequisite: MUSC 124 or 125.

**MUSC 224 Music Theory IV 3 cr.** Study of such forms as binary, ternary, rondo, chorale prelude, variation, invention, fugue, and sonata-allegro. Prerequisite: MUSC 222.

**MUSC 225 Aural Skills IV 1 cr.** A practical continuation of previous aural studies. Areas to be covered include highly advanced work in musical dictation, error detection, and sight singing. Meets three times per week. Prerequisite: MUSC 222 or 223.

**MUSC 301 Music Methods for the Elementary Teacher 2 cr.** Methods and materials for the classroom teacher in guiding young children in musical experiences K-6. Prerequisites: MUSC 101 or 122 and Admission to Teacher Education.

**MUSC 306 Music History & Literature I 3 cr.** The objective of this course is to focus on the evolution of musical and aesthetic concepts as they relate to the music of Western Civilization. The major music categories studied will be the Middle Ages, Renaissance, and Baroque eras.

**MUSC 307 Music History & Literature II 3 cr.** The objective of this course is to focus on the evolution of musical and aesthetic concepts as they relate to the music of Western Civilization. The major music categories studied will be the Classic, Romantic, and 20th Century eras.

**MUSC 321 Creativity in Music 2 cr.** The study and development of musical creativity through arranging and composition. Prerequisites: MUSC 223, 224 and 225.

**MUSC 323 Composition-MIDI Systems 2 cr.** The composition of music utilizing traditional and technological devices. Prerequisites: MUSC 223, 224 and 225.

**MUSC 330 Voice Methods 1 cr.** This course investigates basic vocal pedagogy methods, introducing essential tools for teaching singing. Student will study international phonetic alphabet to assist foreign language diction skills, and explore repertoire suited for the beginning singer. Prerequisite: restricted to major or consent of instructor.

**MUSC 341 String Methods 1 cr.** A practical class involving the playing and techniques of teaching the bowed, orchestral string instruments (violin, viola, cello, and string bass) at an elementary level. Teaching materials and string pedagogy are also considered.

**MUSC 342 Woodwind Methods 1 cr.** The purpose of this course is to give the student an introduction to the techniques of playing and teaching woodwinds. Teaching methods, proper

playing position, embouchure, common problems and errors made by students, equipment, maintenance and repair of the instruments, and both pedagogical and performance literature will be presented.

**MUSC 343 Brass Methods 1 cr.** Teaching techniques and performance proficiency on each of the brass family instruments.

**MUSC 344 Percussion Methods 1 cr.** Techniques and methods of playing and teaching percussion.

**MUSC 366 Instrumental Jazz Improvisation I 2 cr.** Study of the utilization and translation of basic musical elements such as scales, mixolydian modes, dominant seventh chords, rhythm, form, and melody into an individually creative jazz performance. Open to all instruments including strings.

**MUSC 367 Instrumental Jazz Improvisation II 2 cr.** Continuation of MUSC 366 by studying the dorian modes, minor seventh chords, and integration rhythm and melody with actual playing to further the students progress. Prerequisite: MUSC 366.

**MUS 390 Secondary Instrumental Methods and Conducting 3 cr.** Instrumental conducting, score reading and performance preparation, including examination of methods and materials used in the secondary band program. Prerequisites: MUSC 124 and admission to teacher education.

**MUSC 391 Secondary Vocal/Choral Methods and Conducting 3 cr.** Choral conducting, score reading and performance preparation, including examination of methods and materials used in the secondary choir program. Prerequisites: MUSC 101 or 124 and admission to teacher education.

**MUSC 392 Elementary Music Methods 2 cr.** Methods and materials used in elementary general music/choral music program grades K-8. Prerequisites: MUSC 123, 124, 125 and admission to teacher education.

**MUSC 393 Classroom Instruments 1 cr.** Development of basic skills on fretted instruments (guitar, ukelele), recorder, autoharp, percussion instruments for use in the elementary music classroom. Prerequisite: MUSC 124 and Admission to Teacher Education.

**MUSC 401 Evaluation and Administration in Music Education 1 cr.** Designed to help the music student learn evaluative methods as they relate to and are administered by the music educator. Prerequisite: admission to teacher education.

**MUSC 440 Instrument Repair 1 cr.** Basic techniques in instrument maintenance and care.

**MUSC 441 Piano Tuning 2 cr.** Study of piano tuning, piano construction and repair in addition to organ tuning. Prerequisites: The ability to play all major chords and any two note interval. May be repeated.

**MUSC 442 Piano Pedagogy 3 cr.** The examination of teaching methods and applied music instruction management for piano majors.

**MUSC 480 Senior Project 1 cr.** Capstone project representing accomplishment in designated applied study area.

## **Nursing**

**NURS 221 Pre-Professional Development 1 cr.** Facilitates the development of professional behaviors, roles, and responsibilities. Provides opportunity for professional development, community service, and continuing education. Nursing elective graded pass/fail. Guidelines available through Department of Nursing. Prerequisite: Pre-nursing or nursing major.

**NURS 222 Math for Meds 1 cr.** Enables the student to develop calculation skills, using the dimensional analysis technique, to safely calculate and administer medications. Prerequisites: NURS 263, 256 and 264.

**NURS 223 Art and Aesthetics in Nursing 1 cr.** Examines nursing concepts found in a variety of art forms such as music, poetry, movies, drama and short stories. Fosters a sensitivity to the concerns and feelings of others, their cultures, and the unique ways they live in the world. Course restricted to pre-nursing and nursing majors.

**NURS 253 Nursing Perspectives 3 cr.** Focuses on introductory concepts of the discipline of professional nursing. Open to the general university student. CS = 45\*.

**NURS 256 Nursing Foundations 6 cr.** Applies basic theoretical concepts to professional nursing in appropriate practice settings. Prerequisites: Admission to nursing. CS = 60; C/L = 90\*

**NURS 263 Health Promotion and Disease Prevention 3 cr.** Introduces nursing theories and concepts basic for maintaining and promoting health through the life span. Clinical experiences occur in various community agencies and settings. Prerequisites: Admission to nursing. CS = 30; C/L = 45\*

**NURS 264 Health Assessment 4 cr.** Applies methods required for a nursing health assessment in classroom and laboratory setting. Prerequisites: Admission to nursing. CS = 45; C/L = 45\*

**NURS 321 Gerontological Nursing 2 cr.** Fosters an awareness and understanding of the aging population by investigating the biopsychosocial and spiritual needs of the elderly population. The issues of wellness, health, and function are addressed. The student is expected to gain an understanding of nursing and nursing's role in providing care for the older population. Prerequisites: NURS 256, 263, 264 or permission of instructor; and admission to nursing.

**NURS 365 Adult Health Nursing I 5 cr.** Focuses on nursing care of adults experiencing common health problems with predictable outcomes in selected body systems, including concepts of absorption, elimination, regulation, mobility, perceptual dysfunction, cell injury and inflammation, altered immune responses, and perioperative principles. Concepts important in understanding health and illness in the elderly are included. Clinical experiences occur in laboratory simulation and perioperative settings. Prerequisites: Admission to nursing. CS = 45; C/L = 90\*

**NURS 375 Adult Health Nursing II 5 cr.** Focuses on nursing care of adults, including the elderly, who experience chronic and/or progressive health problems in selected body systems. Concepts of sensation, oxygenation, digestion, regulation, movement/coordination, and abnormal cell growth are included. Principles and practices of intravenous therapy are applied to the adult client. Clinical experiences occur in the laboratory, medical, and rehabilitation settings of the hospital. Prerequisite: Admission to nursing. CS = 45; C/L = 90\*

**NURS 382 LPN to BSN Bridge Course 2 cr.** Facilitates the transition of Licensed Practical Nurses into baccalaureate education by emphasizing core theory and clinical experience utilizing strategies of adult learning. The course content is derived from NURS 256, 365, and 375. Clinical experiences occur in the laboratory, medical, surgical, and rehabilitation health care settings. Prerequisite: Acceptance as advanced standing student. CS = 15; C/L = 45\*.

**NURS 383 RN Bridge Course 1-3 cr.** Facilitates the transition of registered nurses into baccalaureate nursing education by emphasizing core theory and clinical practice within an adult learner environment. Course restricted to nursing majors.

**NURS 384 Adult Health Nursing III 4 cr.** Focuses on advanced nursing care of adults experiencing acute, complex, and potentially unstable illnesses and injuries. Concepts, principles, and theories relating to adaptation and life support management of regulatory systems are included. Clinical experiences include laboratory simulation and life system support settings, including critical care areas, dialysis, and emergency/trauma services. Prerequisite: Admission to nursing. CS = 30; C/L = 90\*

**NURS 385 Women's Health Nursing 5 cr.** Emphasizes theories and clinical nursing practices relating to women's health, child bearing, the newborn, and health practices within families. Prerequisite: Admission to nursing. CS = 37.5; C/L = 112.5\*

**NURS 397 Nursing Internship 1-6 cr.** Fosters development of clinical nursing skills and decision making in approved health care agencies. Guidelines available through Department of Nursing. Prerequisite: admission to nursing. One semester credit hour = minimum of 45 hours of clinical study.

**NURS 421 Nursing Leadership Development 1 cr.** Provides opportunities to implement leadership skills in professional roles and community service. Promotes activities in professionalism, continuing education, and networking. Guidelines available through Department of Nursing. Prerequisites: NURS 256, 263, and 264; and admission to nursing.

**NURS 422 Therapeutic Touch 2 cr.** This elective course explores the scientific, theoretical, and clinical foundations of therapeutic touch. Contemporary research findings are discussed and critiqued. Blends both didactic and experiential learning into a balanced, grounded approach to this new version of an ancient, caring, healing art. Prerequisites: junior or senior year or faculty approval. CS = 30.\*

**NURS 443 Child Health Nursing 3 cr.** Applies theories, concepts, and competencies in providing nursing care for children. Prerequisites: Admission to nursing. CS = 30; C/L = 45\*

**NURS 453 Psychiatric-Mental Health Nursing 3 cr.** Applies psychosocial concepts and theories in psychiatric-mental health nursing within a nursing process framework for care of persons with mental illnesses. Prerequisites: Admission to nursing. CS = 22.5; C/L = 67.5\*

**NURS 456 Community Health Nursing 6 cr.** Operationalizes principles and concepts of community health nursing, as well as basic elements of public health science and epidemiology in population based care. Prerequisites: Admission to nursing. CS = 45; C/L = 135\*

**NURS 463 Nursing Theory and Research 3 cr.** Surveys contribution of theory and research to

the development of the discipline of nursing. Focuses on nursing theories, conceptualizations, and research utilization for decision making within professional nursing. Prerequisites: Admission to nursing. CS = 45\*

**NURS 472 Trends and Issues 2 cr.** Evaluates current issues and trends impacting upon professional nursing practice. Introduces strategies to empower nurses for professional nursing with emphasis on legal, ethical and political economic frameworks, career management; and health care policy. Prerequisite: Admission to nursing and faculty approval. CS = 30\*

**NURS 473 Nursing Leadership & Management 3 cr.** Analyzes theories and concepts of leadership and management for the professional nurse in dynamic nursing care delivery systems. Prerequisite: Admission to nursing. CS = 45\*

**NURS 497 Nursing Practicum 6 cr.** Integrates management concepts in clinical nursing practice in selected health care systems with the collaborative guidance of faculty and clinical preceptors. Prerequisites: Admission to nursing. C/L = 270\*

\*CS = clock hours of classroom study; C/L = clock hours of clinical or laboratory study.

### **Philosophy**

**PHIL 100 Critical Thinking 3 cr.** The study of effective thinking, both logical and evaluative.

**PHIL 101 Introduction to Philosophy 3 cr.** (GE3) Basic problems, concepts, and methods of philosophy.

**PHIL 102 Philosophy of Human Nature 3 cr.** (GE3) Focuses on what it means to be a human being and the so-called "nature-nurture controversy."

**PHIL 201 Philosophy of Religion 3 cr.** A critical examination of the reasonability of religious belief. The existence of God, the problem of evil, and other topics will be discussed.

**PHIL 210 Ethics 3 cr.** A study of traditional concepts in ethical theory and moral reasoning.

**PHIL 222 Philosophy and Literature 3 cr.** A careful examination and discussion of some major philosophical ideas as found in literature. Ideas discussed include alienation, mortality, the meaning of life, and other relevant matters.

**PHIL 291H 20th Century Issues 3 cr.** This course is an intensive analysis of some key movements and ideas in the United States during the years 1945-1975. Topics to be discussed include the following: (1) American foreign policy, the Cold War, and the ethics of deterrence; (2) McCarthyism, civil liberties, and the Constitution; (3) The Civil Rights movement, Martin Luther King, affirmative action, and racism; (4) Women's Liberation, feminism, and comparable worth; (5) Vietnam, American imperialism, and the ethics of war. Issues will be approached from an interdisciplinary standpoint. Primary focus will be on ethical and socio-political issues as understood in their historical context. Honors Program admission or 3.30 cumulative GPA and permission of the instructor is required.

**PHIL 320 Applied Ethics 3 cr.** A critical application of ethical theory to current issues in medicine, business, or law.

**PHIL 330 Political Philosophy 3 cr.** This course examines the basic principles and features of the major political philosophies and systems of government.

**PHIL 380 Existentialism 3 cr.** A careful examination of major existentialist thinkers (Kierkegaard, Nietzsche, Sartre, etc.) and dominant existential themes: alienation, mortality, the meaning of life, and God.

**PHIL 382 Philosophy of Social Science 3 cr.** An examination of the nature of social sciences, their relation to the natural sciences, and related matters. Causality, free will and the issue of methodology will be examined.

**PHIL 383 Asian Philosophy 3 cr.** A critical examination of the leading eastern worldviews: Buddhism, Hinduism, Confucianism, Taoism, and other eastern views.

**PHIL 410 Analytic Philosophy 3 cr.** An overview of the dominant movement in 20th century philosophy, its leading figures, and the issues raised.

### **Physics**

**PHYS 105 Physical Science by Inquiry 4 cr.** (GE6) In this course students will be involved in an in-depth inquiry based exploration of basic principles of physical science which are often taught in elementary school. It covers topic of properties of matter, light and color, electric circuits, and kinematics. Inquiry based units are supplemented with material on the history of scientific development.

**PHYS 110 Astronomy 4 cr.** (GE6) A study of the universe that begins with the earth as a planet, the planets and the satellites of our solar system, and moves out through stellar astronomy to galaxies and into the very fabric of the universe. It includes an evaluation of the methods and techniques of astronomy. Offered fall semester. Both day and night laboratories. Lecture, 3 hours; laboratory, 2 hours.

**PHYS 203 Introduction to Physics I 4 cr.** (GE6) Elementary laws and principles of mechanics and fluids. Lecture, 2 hours; laboratory, 2 hours; recitation, 2 hours. Prerequisite: MATH 103.

**PHYS 204 Introduction to Physics II 4 cr.** (GE6) Elementary laws of electricity and magnetism, optics, and modern physics. Lecture, 2 hours; laboratory, 2 hours; recitation, 2 hours. Prerequisite: PHYS 203.

**PHYS 221 General Physics I 5 cr.** (GE6) Newton's laws; work and energy; impulse and momentum; angular momentum; oscillations; gravity; wave motion; thermodynamics. Lecture, 3 hours; laboratory, 2 hours; recitation, 2 hours. Corequisite: MATH 165.

**PHYS 222 General Physics II 5 cr.** (GE6) Electricity; Gauss' laws and potential difference; magnetism; Maxwell's equations; optics; introduction to Modern Physics. Lecture, 3 hours; laboratory, 2 hours; recitation, 2 hours. Prerequisite: PHYS 221. Corequisite: MATH 166.

**PHYS 251 Modern Physics 3 cr.** Special relativity and the wave nature of matter, including the Schrodinger equation and the hydrogen atom. Introduction to nuclear and particle physics. Lecture

3 hours. Prerequisites: PHYS 222.

**PHYS 321 Optics 3 cr.** Physical optics, including interference, diffraction, and the electromagnetic properties of light. Lecture, 3 hours. Prerequisite: PHYS 222.

**PHYS 331 Mechanics 4 cr.** Statics and dynamics of particles and bodies: oscillations; motion of a system of particles; rigid body dynamics; central force motion; accelerated frames of reference; Lagrangian and Hamiltonian mechanics. Lecture, 4 hours. Prerequisites: PHYS 222 and MATH 266.

**PHYS 341 Electricity and Magnetism 4 cr.** Electric fields and potentials; dielectrics; Laplace's equation and uniqueness theorem. Magnetic fields; magnetic materials, Maxwell's equations, and electromagnetic radiation. Lecture, 4 hours. Prerequisites: PHYS 222 and MATH 266.

**PHYS 351 Thermal Physics 3 cr.** Introduction to statistical mechanics; laws of thermodynamics; ideal gases; kinetic theory. Lecture, 3 hours. Prerequisites: PHYS 222 and MATH 266.

**PHYS 405 Advanced Physical Science by Inquiry 4 cr.** Course involves aiding instructors in Physical Science by Inquiry (PHYS 105). Students will conduct oral interviews with PHYS 105 students during PHYS 105 class to determine their progress. Students will be required to learn Properties of Matter in depth during class preparation periods. Course exposes future secondary teachers to inquiry methods in physical science and teaches them alternate reasoning methods that can be used at a variety of instructional levels. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: permission of instructors.

**PHYS 411 Principles of Physics Measure 4 cr.** Students will research and report on experiments in optics, modern physics, and electronics. Lectures will address electronics, laboratory reports, and error analysis, Lecture, 2 hours; laboratory, 4 hours. Prerequisite: Consent of instructor.

**PHYS 412 Astronomical Instruments and Observing 3 cr.** Astronomical instruments; telescopes, cameras, CCD, photometry, and spectroscopy. Observing celestial objects using different instruments; study of variable stars. Students will also participate in open observatory nights. Lecture, 1 hour; laboratory, 4 hours. Prerequisite: PHYS 110.

**PHYS 421 Quantum Mechanics 4 cr.** The concepts and techniques of quantum mechanics. These are developed and applied to atomic and molecular systems. Prerequisite: PHYS 251.

### **Political Science**

**POLS 115 American Government 3 cr.** (GE7) Principles of American government, political behavior, institutions.

**POLS 116 State and Local Government 3 cr.** Structures, politics, and behavior in state and local governments.

### **Psychology**

**PSY 111 Introduction to Psychology 3 cr.** (GE7) A survey of the scientific study of behavior and mental processes. Topics studied include development of normal and abnormal behavior, learning, biopsychology, development, memory, personality, cognition, therapy, and social psychology. This

course is a prerequisite to most other psychology courses.

**PSY 201 Dynamics of Adjustive Behavior and Mental Health 3 cr.** Presents the principles of behavior adjustment. It is concerned with how socially relevant behavior is learned, what the motivating functions are, and how they operate in life. Prerequisite: PSY 111.

**PSY 241 Introduction to Statistics 3 cr.** Examination of basic concepts in measurement, scaling, binomial and normal distribution, descriptive and inferential statistics, and hypothesis testing. Introduction to statistical tests for research, with special emphasis on t-test and chi-square. Prerequisites: MATH 103 (or higher) or departmental approval and PSY 111.

**PSY 242 Research Methods in Psychology 3 cr.** A study of the scientific method as it is used in the investigation of problems in psychology. A variety of types of research methodologies, as well as the advantages and disadvantages of their use. Ethical implications of the use of various methodologies will also be discussed. Prerequisites: PSY 241 or department approval.

**PSY 252 Child Psychology 3 cr.** Overview of theories of human development from conception through childhood including physical, cognitive, language, social, and self-help skills in family, school, and community settings. Prerequisite: PSY 111.

**PSY 255 Child and Adolescent Psychology 3 cr.** Overview of theories of human development from conception through adolescence including the physical, cognitive, language, social, and educational aspects of the individual development. Special emphasis will be given to the individuals learning capabilities. This course cannot be applied towards the Psychology or Addiction Studies majors, minors or concentrations. Prerequisite: PSY 111.

**PSY 270 Abnormal Psychology 3 cr.** A survey of the classification, symptoms, and etiology of psychological disorders. Prerequisite: PSY 111.

**PSY 297 Practicum 2 cr.** Participation in individual, group, and family counseling in an agency or hospital involved in addiction counseling. Prerequisite: PSY 111.

**PSY 313 Industrial Organizational Psychology 3 cr.** This course will examine human behavior in industrial and organizational settings. Psychological principles are applied to selection, placement, and training. The effectiveness of individuals and groups within organizations, including leadership and control, conflict and cooperation, motivation, and organizational structure and design, is examined. Prerequisite: PSY 111.

**PSY 338 Professional Relations and Ethics 3 cr.** Study of Federal Confidentiality Laws and ND Commitment Law and process in order to protect the rights of the client. Prerequisite: PSY 111.

**PSY 344 Dynamics of Addiction 3 cr.** Emphasizes the history of drugs of abuse, theories and controversies regarding chemical dependency, and multidisciplinary approaches to treatment. Prerequisites: PSY 111.

**PSY 349 Psychopharmacology 3 cr.** An introduction to behavioral pharmacology, including the basics of pharmacology, psychology, and neuroscience needed to understand drugs of abuse. Prerequisite: PSY 111.

**PSY 352 Adolescent Psychology 3 cr.** Study of physical, cognitive, emotional, social, and

behavioral parameters of adolescence from preteen to young adulthood. Prerequisite: PSY 111.

**PSY 365 Evolutionary Psychology 3 cr.** Examines the important aspects of human behavior as it is explained as a result of natural selection. The course will focus on a number of topics including sex differences, mate selection, selfishness and altruism, homicide and violence. Prerequisite: PSY 111.

**PSY 375 History and Systems of Psychology 3 cr.** Examines the historical development of the science of psychology. Special emphasis is placed upon cultural context and its influences on the developing systems of psychology. Prerequisite: PSY 111.

**PSY 376 Social Psychology 3 cr.** An interdisciplinary approach to the study of behavior of individuals in relation to social stimulus situation. Prerequisites: PSY 111 and SOC 101.

**PSY 379 Psychology of Adult and Aging 3 cr.** Overview of theories of human development from young adulthood through old age focusing on demands of personal adjustment, family, work, retirement, and community life. Prerequisites: PSY 111; recommended: PSY 252 or 352.

**PSY 391 Honors Seminar 3 cr.** Topics of research interest to the psychology faculty will be presented to those that are enrolled in the University's Honors Program.

**PSY 394 Independent Study 1-4 cr.** Election of a topic and a course of study. Must be approved by a psychology staff member and the psychology chair. Student must be a psychology major and have 12 semester credits.

**PSY 410 Cognitive Psychology 3 cr.** Examines the research dealing with the processing of sensory information, attention, short term and long term memory, decision making and problem solving, as well as related topics. Prerequisite: PSY 111.

**PSY 411 Introduction to Personality Theories 3 cr.** Examines the basic concepts of personality development as viewed by the psychoanalytic, learning, humanistic, and trait-type theorists. Special emphasis is placed on the comparison of various perspectives. Prerequisite: PSY 111.

**PSY 413 Theories and Practice of Psychotherapy 3 cr.** Aimed at the development of a balanced view of the major concepts of various therapies and an awareness of practical applications and implementation of techniques used by the various therapists. Prerequisite: PSY 111.

**PSY 420 Family Dynamics 3 cr.** Examines theories and research in psychology as they relate to the understanding of family structure, process, development, and change. Prerequisites: PSY 111 and 413.

**PSY 423 Introduction to Counseling 3 cr.** Study of the theories of counseling and application of these principles for dealing with behavioral problems in agencies, schools, or hospitals. Prerequisite: PSY 111.

**PSY 424 Advanced Counseling 3 cr.** Further study of counseling theory with students being required to develop a workable methodology of their own. Prerequisites: PSY 111.

**PSY 435 Theories of Learning 3 cr.** Examines the basic concepts of learning theory as viewed by the more prominent theorists in the area. Emphasis is placed on the comparison of the various perspectives within historical contexts. Prerequisite: PSY 111.

**PSY 460 Sensation and Perception 3 cr.** Focus on the principles of our sensory systems and the laws which govern the sensory processes. The course includes research and theories on the visual system, auditory system, chemical senses, and the skin senses. Prerequisites: PSY 111.

**PSY 465 Physiological Psychology 3 cr.** An introduction to the neuroanatomical and neurophysiological bases of behavior, including learning, reinforcement, eating and drinking, sleep, sexual behavior, and mental disorders. Prerequisite: PSY 111.

**PSY 473 Behavior Modification 3 cr.** Description of behavioral principles and procedures for assessment and treatment that can be used by helping professionals to enhance behavioral development. Class projects are required. Prerequisite: PSY 111.

**PSY 476 Group Dynamics 3 cr.** Actual group experience in a lecture/lab format. Readings and written assignments focus on organizing groups and skills required of group facilitators. A problem solving/personal growth group meets each week. Prerequisite: PSY 111.

**PSY 485 Practicum 15 cr.** Participation in one of the North Dakota consortia to provide experience in the addiction field. This is a 4.5 month, full time experience, where the student actively participates as an addiction counselor in training. Course restricted to psychology or addiction studies majors.

**PSY 486 Practicum 15 cr.** Participation in one of the North Dakota consortia to provide experience in the addiction field. This is the second part of the nine month practicum experience required for licensure as an addiction counselor. The course involves a 4.5 month, full time experience, where the student actively participates as an addiction counselor in training. Course restricted to psychology or addiction studies majors.

**PSY 490 Senior Research Paper 3 cr.** Students will formulate an original research topic and write a paper on that topic. Restricted to psychology majors and senior status.

**PSY 491 Senior Seminar in Psychology 2 cr.** Overview of psychology as a discipline and a synthesis of biological and psychological factors in human behavior. Prerequisite: PSY 111, 241, senior status and psychology major.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Course Descriptions R - U

[Science](#)  
[Social Science](#)  
[Social Work](#)  
[Sociology](#)  
[Spanish](#)  
[Special Education](#)  
[Theatre](#)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Science

**SCI 102 Introduction to Radiologic Technology 1 cr.** Designed to acquaint first year student (freshman) radiologic technology students with the depth and breadth of this field. Students visit the radiology department of a local hospital. The course is presented by the education coordinator of a local school of radiologic technology. Lecture, 1 hour.

**SCI 240 Research Methods 2 cr.** This course will introduce students to library skills, computer skills and communication skills used to plan and carry out research projects. Students will search for, read, and discuss journal articles; write and edit project proposals; and learn basic data management and analysis skills. Pre-requisite: sophomore, junior or senior status.

**SCI 391 Teaching Science in the Secondary School 3 cr.** Study of science teaching in middle school and high school grades with emphasis on clinical experience. Basic techniques for all disciplines are individualized in practice. Emphasis on teaching an investigative approach to science. Prerequisite: Admission to Teacher Education.

**SCI 405 Radiologic Technology Clinical 60 cr.** Students spend 24 months in a hospital environment. Education includes both didactic and clinical studies. Restricted to students who have been admitted to the Radiologic Technology degree program.

**SCI 426 Elementary Science Methods 4 cr.** Study of basic concepts of science within a framework of elementary school teaching methodology. Interpretation of science content, learning theory, curriculum approaches, instructional strategies, and lesson planning are emphasized. Includes extensive clinical experience. Lecture, 4 hours. Prerequisite: Admission to Teacher Education and Ed 320. Corequisites: ED 320, 421, 422, 423, 424.

**SCI 480 Seminar 2 cr.** Students present and discuss original student research projects in science. Prerequisite: SCI 240, senior status, permission of instructors.

### Social Science

**SS 283 Ethnic and Cultural Diversity in America 3 cr.** This course examines the historical development of American ethnic and cultural diversity, including Native American, and places that diversity in global perspective. This course meets the Education Standards and Practices Board (ESPB) Native American Studies requirement for teacher certification.

**SS 391 Secondary History/Social Science Teaching Methods 3 cr.** A methods course designed for those intending to teach history and social studies at the secondary level. The course includes a study of classroom techniques, a microteaching experience, and a practicum in a secondary level social classroom. Prerequisite: Admission to Teacher Education. (Offered fall semester only.)

**SS 399 Readings in Social Science 1-3 cr.** Study and discussion of readings in social science, particularly those which cross disciplinary lines.

### **Social Work**

**SWK 200 Interpersonal Skills 3 cr.** Verbal and nonverbal interpersonal skills relating to common interaction as well as those interactions generic to planned changed processes of generalist social work practice. This course requires 50 hours of volunteer work experience.

**SWK 255 Social Work Profession 3 cr.** History of the social work profession, goals, philosophy, base assumptions, and outcomes within the generalist framework of social work fields of practice. Co- or Prerequisite: SWK 256.

**SWK 256 Development of Social Welfare 3 cr.** (GE7) History, value, political, and economic goals, philosophy base assumption, and conditions which influence the development and provision of social welfare services. SWK 256 is a prerequisite for all other social work courses.

**SWK 330 Behavior in Pluralistic Society I 3 cr.** The underlying theoretical perspectives of sociological, psychological, biological, and spiritual systems relative to human growth and development from birth to adolescence with emphasis on ethnic, racial, and cultural diversity characteristic of American pluralism. Prerequisite: SWK 200, SOC 101, PSY 111, and BIOL 115.

**SWK 331 Behavior in Pluralistic Society II 3 cr.** The underlying theoretical perspectives of the individual relative to the nurturing systems of family, social, and cultural networks, and the sustaining systems in terms of the communities and institutions within which that individual functions. Co-requisite: SWK 330. Prerequisites: SWK 200, SOC 101, PSY 111 and BIOL 115.

**SWK 335 Social Work Methods I 3 cr.** Problem solving, assessment, and application of interventive techniques with individuals and families in the context of generalist practice. Prerequisite: SWK 331 and admission to the social work program.

**SWK 340 Social Welfare Policy 3 cr.** A framework for the analysis of social welfare policy, policy formation, decision-making, the impact on human service professionals, and the delivery of social welfare services.

**SWK 379 Aging Practice and Policies 3 cr.** Study of social welfare policies which sanction and direct services and welfare for the elderly.

**SWK 401 Contemporary Issues with Native American Families 3 cr.** This course will survey

contemporary issues that Native American families face in today's society and how these influences effect the context of family life and the helping process.

**SWK 426 Social Work Methods II 3 cr.** Problem solving, assessment, and application of interventive techniques with small groups in the context of generalist practice. Prerequisites: SWK 335, 340 and admission to Social Work program.

**SWK 427 Social Work Methods III 3 cr.** Problem solving, assessment, and application of interventive techniques with communities, disciplinary boards, and organizations in the context of generalist practice. Prerequisites: SWK 335, 340, and admission to Social Work program.

**SWK 432 Field Experience 10 cr.** Structured and educationally directed learning experiences in public and private human service agencies. Prerequisite: SWK 426, 427 and admission to Social Work program. Corequisites: SWK 433, 434, 491.

**SWK 433 Field Seminar 1 cr.** Integration of social work theory with the reality of specific practice. Corequisites: SWK 432, 434, 491.

**SWK 434 Field Research 1 cr.** Senior research project, formal written report, and oral presentation of the major research paper. Corequisites: SWK 432, 433, 435.

**SWK 491 Senior Seminar 2 cr.** Integration of program outcomes with application of knowledge, values, and skills necessary for field entry, human service program evaluation, value and ethical considerations, and the development and implementation of future career objectives. Corequisites: SWK 432, 433, and 434.

## **Sociology**

**SOC 101 Introduction to Sociology 3 cr.** (GE7) An introduction to the basic insights, concepts, theories and methods of the discipline. The course encourages students to think critically, to apply sociological knowledge, and to develop a global perspective. Topics for discussion include culture, social interaction, deviance, sexuality, stratification, race relations, gender, family, economics, politics, technology and social change. SOC 101 is a prerequisite for all 300 and 400 level SOC courses.

**SOC 199H Idea of Society 3 cr.** The idea of society is perhaps one of the most difficult abstractions in our repertoire. This course introduces the student to various perspectives that seek to explain both the historical and contemporary meaning of society. Honors Program admission or 3.30 cumulative GPA and permission of the instructor is required.

**SOC 201 Social Problems 3 cr.** A sociological analysis of major social problems.

**SOC 210 Introduction to Anthropology 3 cr.** (GE7) Examination of customs, institutions, and social organization of preliterate societies. Brief consideration of physical and biological aspects of human development.

**SOC 252 Criminology 3 cr.** Study of criminal behavior, including the nature and causes of crime, and of official responses to criminal law violations. Prerequisite: SOC 101.

**SOC 255 Changing American Family 3 cr.** An introduction to diverse family issues and concerns in American society. The course examines the changing functions, patterns and structures of the family as a major social institution. Topics include changing patterns of dating, mate selection, cohabitation, marriage, dual career families, adoption, divorce and remarriage.

**SOC 278 Social Research Methods 3 cr.** Study of the basic methods of empirical social science research. Topics include techniques and theory of research design, formulating and testing hypotheses, measurements, sampling, modes of observation, data management, and elementary data analysis.

**SOC 299/499 Special Topics in Sociology 1-8 cr.** These are flexible courses that may be taught depending on student needs. The design of the course is to present the student an opportunity to concentrate on various topics.

**SOC 353 Sociology of Education 3 cr.** A critical analysis of both formal and informal learning in society. This course focuses on the structure and function of the learning process, and the impact of social structure upon the institution of education. Prerequisite: SOC 101.

**SOC 357 Sociology of Religion 3 cr.** A sociological analysis of religious belief, behavior, organization, and the relation between religion as an institution and the larger society of which it is a part. Prerequisite: SOC 101.

**SOC 361 Comparative Ethnic Studies 3 cr.** Examination of the social, political, legal, and economic development of ethnic inequality in our American society. Topics include prejudice and discrimination, majority and minority relations, institutionalized racism, intergroup contacts, migration, immigration, affirmative action and equal opportunity programs. Prerequisite: SOC 101.

**SOC 362 Black (African)-American Culture 3 cr.** An examination of the distinct and continuous tradition of African-American culture framework of American society. Primary emphasis is on continental African culture and its appropriation into Black (African)-American culture. Topics include folklore, religion, music, and language. Prerequisite: SOC 101.

**SOC 363 Sociology of Gender 3 cr.** This course focuses on the social, political, legal, and economic dimensions of contemporary women's issues. Topics include the feminization of poverty, reproductive technology, single parenthood, childcare policies, aggression against women, and institutionalized sexism. Prerequisite: SOC 101.

**SOC 365 Social Stratification 3 cr.** Study of inequality. Special emphasis is placed on differences in social class, status, and power. Prerequisite: SOC 101.

**SOC 369 Studies in Deviance 3 cr.** This course examines how so-called deviant identities, communities, desires, and practices are socially, historically, and culturally constructed. Particular emphasis is placed on non-traditional forms of deviancy. Discussion topics include transgender issues, queer theory, body modification, religious fanaticism, and militia groups. Prerequisite: SOC 101.

**SOC 371 Sociobiology 3 cr.** Study of the evolutionary basis of social behavior. Major topics include a brief history of the discipline within a context of the nature-nurture debate, comparative studies of animal and human behavior, and the evolutionary basis of sexual behavior, aggression, and stratification. Prerequisite: SOC 101.

**SOC 374 Cultural Studies 3 cr.** This course provides students with a basic understanding of the dynamics of culture and its impact on global change. Areas covered include: institutional structures of culture, cultural history and legacies, production and distribution of culture, effects of culture on meaning and social action. Prerequisite: SOC 101.

**SOC 375 Social Change and Development 3 cr.** Designed to familiarize students with the theories, methods, and analytical frameworks for understanding social change and development in a global context. Topics covered include gender and race/ethnicity issues, social movements, and collective behavior, economic development, and globalization. Prerequisites: SOC 101 and three credits of Sociology.

**SOC 376 Social Psychology 3 cr.** Study of the social sources and patterns of perception, attribution, socialization, and interpersonal interaction. Prerequisite: SOC 101.

**SOC 379 Sociology of Aging 3 cr.** Social processes affecting patterns of the aging population involving health, wealth, housing, retirement and widowhood.

**SOC 399 Senior Readings 3 cr.** Intended for students close to completing their major/minor sociology requirements. This course provides a forum for students to test the knowledge and skills they have acquired throughout their course of study by re-examining specific issues pertinent to sociology. Topics to be discussed range from civic, political, and religious participation through race, ethnicity, and gender issues. Prerequisite: SOC 101, three credits of sociology, and consent of instructor.

**SOC 401 Research Project 3 cr.** Major paper involving literature review or empirical research. Prerequisite: SOC 101, three credits of sociology, and consent of instructor.

**SOC 451 Political Sociology 3 cr.** Examines the relationship between society and politics through an analysis of the intersection of economic development, social relations, and the political sphere. Employing an international perspective, the course examines how race, ethnicity, and gender interact with political culture, ideology, and the state. Prerequisite: SOC 101 and three credits of Sociology.

**SOC 455 Global Families 3 cr.** Cross-cultural and cross-national analysis highlighting the diversity among family patterns and the impact of social change on these patterns. The course specifically examines the relationship between social, economic, political, and economic conditions of the society and how these conditions impact family roles, values, norms, and problems. Prerequisite: SOC 101 and three credits of sociology.

**SOC 459 Complex Organizations 3 cr.** Study of social units or human groups deliberately constructed to seek specific goals; examination of origins of large scale bureaucratic structures and their place in contemporary societies, and of factors affecting occupational allocation including labor market position of women and minorities. Prerequisite: SOC 101 and three credits of sociology.

**SOC 476 Classical Sociology Theory 3 cr.** An in-depth review of social theory and the historical conditions underlying its development. Specifically, the course traces back the origins of sociology through to the Enlightenment. Key Enlightenment philosophers that exemplified sociology in the making Vico, Montesquieu, Rousseau, Ferguson, Millar, and Smith, and Helgel from the post-Enlightenment era will be discussed. Additional key theorists discussed include

Marx, Comte, Durkheim, Weber, Simmel, Pareto, Antonio Gramsci, and George Lukacs.  
Prerequisite: SOC 101 and three credits of sociology.

**SOC 477 Contemporary Sociological Theory 3 cr.** Contemporary Sociological Theory is designed to be both a wide-ranging and eclectic exploration of current theoretical perspectives. Throughout the course major orientation and debates within contemporary sociological theory and the different research directions that they give rise to, are examined. The subject focuses on the current shift from classical sociology, focused on national societies, roles, classes, and institutions, to contemporary sociological approaches to globalization, risk society and environment, network society and individualization. Prerequisite: SOC 101 and three credits of sociology.

**SOC 497 Practicum/Internship 3 cr.** Placement in applied setting for practical experience. Course is offered on a pass/fail basis. Community and campus settings are available. Prerequisite: SOC 101, three credits of sociology, and consent of instructor.

## Spanish

**SPAN 101 Beginning Spanish I 4 cr.** (GE3) For beginners or those entering with one or two years of high school Spanish. Introduction to listening, speaking, reading, writing and culture.

**SPAN 102 Beginning Spanish II 4 cr.** (GE3) A continuation of Beginning Spanish I. Prerequisite: SPAN 101.

**SPAN 201 Intermediate Spanish I 4 cr.** (GE3) Review of basic Spanish with increased practice in conversation, reading and writing. Prerequisite: SPAN 102, three years of high school Spanish, or consent of instructor.

**SPAN 202 Intermediate Spanish II 4 cr.** (GE3) Continuation of SPAN 201. Prerequisite: SPAN 201.

**SPAN 340 Spanish Phonetics 2 cr.** Theoretical and practical study of Spanish phonetics. Practice in pronunciation and intonation. Prerequisite: SPAN 201 or consent of instructor.

**SPAN 341 Spanish Conversation and Composition 3 cr.** Advanced practice in oral and written skills using cultural readings and other media. Prerequisite: SPAN 202 or consent of instructor.

**SPAN 342 Introduction to Hispanic Literature 3 cr.** Designed to improve language skills with an emphasis on reading and to enhance the student's ability to understand literature. Includes study of poetry, drama, and narrative from the Spanish speaking world. Prerequisite: SPAN 341 or consent of instructor.

**SPAN 343 Spanish Peninsular Culture 3 cr.** Readings in culture and society of Spain. Prerequisite: SPAN 341 or consent of instructor.

**SPAN 344 Latin American Culture 3 cr.** Readings in culture and society of Latin America. Prerequisite: SPAN 341 or consent of instructor.

**SPAN 441 Spanish Peninsular Literature 3 cr.** Survey of Spanish Peninsular literature from El Poema de Mio through the Golden Age to the 20th Century. Prerequisite: SPAN 342 or consent of instructor.

**SPAN 442 Latin American Literature 3 cr.** Survey of Latin American literature from the discovery to the 20th Century. Prerequisite: SPAN 342 or consent of instructor.

**SPAN 450 Senior Capstone Project in Spanish 3 cr.** Individual research project on a cultural topic approved by the instructor one semester prior to enrollment in the course. Course restricted to majors.

### **Special Education**

**SPED 101 Introduction to Developmental Disabilities 3 cr.** A survey of the various types of developmental disabilities, the philosophy of service, team planning, individual program planning, and legal and ethical considerations for persons with developmental disabilities.

**SPED 110 Introduction to Exceptional Children 3 cr.** A survey course examining exceptionalities of learning with a focus on understanding current social and educational responsibilities.

**SPED 111 Health Care in Developmental Disabilities I 3 cr.** This course concentrates on basic medication concepts and procedures, First Aid, CPR, staff responsibilities for medications and health issues, nutrition information, and issues in sexuality.

**SPED 112 Health Care in Developmental Disabilities II 2 cr.** This course focuses on the most common types of seizures and provides information on how to observe, report, and assist persons during seizures. Included also are techniques of positioning, turning, and transferring persons with physical disabilities.

**SPED 113 American Sign Language I 3 cr.** This course is designed to introduce students to American Sign Language. Students will have the opportunity to develop vocabulary and conversational skills in this language of the deaf community.

**SPED 115 American Sign Language II 3 cr.** This course is designed to continue where ASL I ended. Students will continue to develop vocabulary and expand conversational skills. Deaf culture will be further emphasized in this course through expanded contact with the deaf community. Prerequisite: SPED 113.

**SPED 117 Manually Coded English I 2 cr.** An introduction to Signing Exact English and finger spelling. A basic sign vocabulary is presented.

**SPED 120 Introduction to Behavior Management 3 cr.** This course focuses on principles of behavior; basic behavior management procedures; defining, recording, and charting behavior; and ways to design and implement behavior management programs. It also teaches skills on how to write behavioral objectives.

**SPED 130 Organization of Leisure Time in Developmental Disabilities 1 cr.** This course focuses on basic concepts and ways to assess recreation and leisure competencies. It provides information on leisure time activities and associated community resources for persons with developmental disabilities.

**SPED 140 Human Development 2 cr.** A study of the sequence of human development from conception to late childhood, adolescence through adulthood, with emphasis on motor, language, cognitive, emotional, and social characteristics.

**SPED 210 Introduction to the Education of Children Who are Deaf or Hard of Hearing 2 cr.** A foundations course which surveys the history of the education of children who are deaf or hard of hearing. An introduction to present techniques as well as historical philosophies is presented. Prerequisite SPED 110.

**SPED 217 Manually Coded English II 2 cr.** An intermediate sign language course emphasizing the philosophy of Total Communication via Signing Exact English (SEE). Strategies and various sign systems will be introduced. Prerequisite: SPED 117.

**SPED 221 Techniques of Behavior Management 2 cr.** This course introduces a value-based process for developing and evaluating major program goals for clients, the relationship of assessment to goal setting, and strategies for achieving goals and objectives.

**SPED 223 Dual Diagnosis: Mental Retardation and Psychopathology 1 cr.** An overview of issues related to supporting people who experience both mental retardation and mental illness including common psychopathological disorders, identification of the need for services, treatment options, and standards for service provision.

**SPED 225 Assisting People with Traumatic Brain Injury and their Families 2 cr.** This course provides a comprehensive overview of Traumatic Brain Injuries (TBI) and how to assist people with TBI and their families. It discusses community resources, assessment issues and strategies, as well as the role of employment consultants in working with people with TBI

**SPED 250 Developing Communicative Interactions 2 cr.** This course is designed to provide training to personnel who work with persons who exhibit serve disorders and deficiencies. It is a multimedia training program in the area of social interaction, communication and language skills development, and intervention.

**SPED 255 Aging and Developmental Disabilities 2 cr.** This course is designed to address training needs of direct service delivery and case management personnel working with aging/aged persons with developmental disabilities in community programs. It covers demographic and philosophical considerations, health, social and legal issues, and coordination of services.

**SPED 296 Field Experience in Developmental Disabilities 4 cr.** Practical experience in the development of individual program plans; administration, documentation, and storage of medications; positioning, turning, and transferring techniques; and observation, assistance and documentation of seizure activities.

**SPED 298 Experience in the Classroom 1 cr.** Classroom experience designed to acquaint the student with exceptional children.

**SPED 301 Language Analysis of the Deaf and Hard of Hearing 3 cr.** Strategies for teaching grammatical structures and the rules of language usage to children with hearing impairments. Prerequisite: SPED 210.

**SPED 310 Introduction to Developmental Disabilities 3 cr.** A survey course in the education of

persons with developmental disabilities including handicapping conditions, legal aspects, history, parental perspectives, educational programming, service delivery systems, and current research. Prerequisite: SPED 110.

**SPED 340 Classroom Assessment for Mental Handicaps 3 cr.** The use of various tests for educational programming, instructional objectives, class structure, task analysis, behavior modification, and contingency management. Prerequisite: Admission to Teacher Education.

**SPED 379 Leadership in Special Education 1-2 cr.** Individualized class designed to provide instruction in leadership processes for professional organizations in special education. Prerequisite: Instructor approval.

**SPED 402 Theory and Methods of Teaching Language to Children Who Are Deaf or Hard of Hearing 5 cr.** Language development, language delay resulting from hearing loss, and language for preschool and school age children with hearing loss. Strategies for oral and written language to preschool and school age children with hearing loss. Prerequisites: SPED 210, SPED 301, and Admission to Teacher Education.

**SPED 404 Theory and Methods of Teaching Speech to Children Who Are Deaf or Hard of Hearing 5 cr.** Speech development, speech production deficits resulting from hearing loss, and models for teaching speech to preschool and school age children with hearing loss. Strategies for teaching speech to preschool and school age children with hearing loss. Prerequisites: SPED 210, CD 320, and Admission to Teacher Education.

**SPED 406 Working with Families and Others in Deaf Education 2 cr.** Awareness and understanding of various influences that a hearing loss has on a person's social, vocational, emotional, and psychological development. An overview of the literature along with various implementation and techniques as models. Prerequisites: SPED 210, CD 320 and Admission to Teacher Education.

**SPED 408 Methods of Teaching Reading and Academic Subjects to Children Who Are Deaf or Hard of Hearing 4 cr.** Methods of teaching reading, mathematics, social studies, and science to children with hearing loss with an emphasis on the development of cognition and language. Curricula and strategies for preschool and school age will be addressed. Prerequisite: ED 352, SPED 402 and admission to teacher education.

**SPED 409 Aural Rehabilitation 2 cr.** Personal and classroom amplification systems for preschool and school age children with hearing impairments. Prerequisite: CD 342.

**SPED 410 Introduction to Learning Disabilities 3 cr.** An overview of the field of learning disabilities including various concepts, strategies, practices, and trends. Prerequisite: SPED 110.

**SPED 420 Adaptions in Regular Education 2 cr.** This course outlines a variety of curriculum adaptations for elementary and secondary teachers. These adaptations can be used in many regular education settings. Prerequisites: SPED 110, and 210, 310 or 410.

**SPED 441 Methods of Teaching Persons with Mild Mental Handicaps 3 cr.** Focuses on programming the developmental sequences in reading, writing, arithmetic, and language in a life experience curriculum for persons with mild mental retardation. Public Law 101-476 (IDEA) and writing IEP's are stressed. Prerequisites: Admission to Teacher Education.

**SPED 442 Methods of Teaching Persons with Moderate Mental Handicaps 3 cr.** Study of the organization of programs and curricula in behavior management, task analysis, methods, and materials for educating persons with moderate mental handicaps. Prerequisites: Admission to Teacher Education.

**SPED 444 Vocational Programming for Persons with Mental Handicaps 3 cr.** Methods and materials for vocational training of students including vocational evaluation, job analysis, work skills, job placement, on-the-job training, and follow-up services. Prerequisites: Admission to Teacher Education.

**SPED 445 Collaborative Partnerships in Special Education 3 cr.** Basic principles of individual and group guidance necessary for successful integration of persons with mental handicaps into society; includes techniques of parental interviewing and reporting designed to provide home-school communication.

**SPED 450 Interdisciplinary Issues in Developmental Disabilities 1 cr.** A seminar course on developmental disabilities and interdisciplinary service strategies.

**SPED 491 Senior Seminar in Special Education 4 cr.** Seminars on various topics for seniors in the mental retardation and education of the deaf.

**SPED 496 Field Experience in Developmental Disabilities 4 cr.** Practical experience in the development of individual program plans; administration, documentation, and storage of medications; positioning, turning, and transferring techniques; and observation, assistance and documentation of seizure activities.

**SPED 497 Externship in Developmental Disabilities 8 cr.** Senior practicum for nonteaching DD majors in community programs or agencies serving persons with mental retardation or other developmental disabilities.

**SPED 498 Advanced Field Experience 1-12 cr.** A supervised practicum in the habilitation of preschool and school age children. Prerequisite: Admission to Teacher Education and instructor approval.

**SPED 499 Special Topics in Special Education 1-8 cr.** Special Topics

## **Theatre**

**THEA 110 Introduction to Theatre Arts 3 cr.** (GE3) Basic introduction to the theory and principles of theatrical presentation including dramatic literature, acting, stagecraft and dramatic analysis, with emphasis on practical application. This course is designed for non-communication arts majors.

**THEA 120 Readings in Dramatic Literature 2 cr.** An introductory course in the literature of drama. Plays representative of important periods of theatre history are discussed in their cultural context. Students work to understand the plays' potential meanings for modern audiences. Prerequisites: Freshman or sophomore status and restricted to Communication Arts majors.

**THEA 161 Acting I 3 cr.** A basic introduction to acting styles and techniques with emphasis on

mime, improvisation, characterization, voice movement, and script analysis.

**THEA 162 Audition Techniques 1 cr.** The selection, rehearsal, and performance of musical theatrical material for auditions.

**THEA 163 Storytelling and Improvisation 3 cr.** The class, two-fold by its nature, will include research and performance of the storytelling process while exploring various genres of storytelling and improvisation and how to adapt them into various performance styles and spaces.

**THEA 201 Theatre Practicum 1 cr.** Participation in a significant capacity in any communication arts sponsored theatrical production above and beyond the requirements of a specific course. Repeatable up to eight credits.

**THEA 202 Ryan Audition 1 cr.** Credit offered to those students selected to audition for the Irene Ryan Regional Scholarships. The course will be the selection, rehearsal, and presentation of various theatrical pieces.

**THEA 221 Costuming 2 cr.** Introduction to the art of theatrical costuming from history through construction. Included will be an introduction to the design process.

**THEA 222 Make-up 2 cr.** Theory and practical laboratory work in stage make-up applications, including mask building.

**THEA 250 Creative Drama 3 cr.** The study of creativity, and the relationship of drama and creative play culminating with activities centering around storytelling and children's theatre.

**THEA 251 Puppetry 3 cr.** This course is designed to introduce the student to the history, construction, and manipulation of a variety of puppets. Students will also work with scripting a puppet play, building scenery, and recording a production. A final project will be the public performance of a finished puppet play.

**THEA 270 Stagecraft 2 cr.** Fundamental approach to the implementation of the scenic artist's designs for the stage through the study of set construction, painting techniques, and technical coordination.

**THEA 350 Theatre History, Criticism, and Literature I 3 cr.** A survey of the development of the theatre and dramatic literature from Greeks to 1642.

**THEA 351 Theatre History, Criticism, and Literature II 3 cr.** A complete and critical study of the theatre from 1642 to 1900. Dramatic analysis, performance theory and style, architecture, advancements, and individual contributors are included in the study.

**THEA 352 Theatre in the Classroom 3 cr.** This course will allow the student to build on the foundation learned in THEA 250 Creative Drama. Students will continue to explore various approaches to the delivery of creative drama activities. A project design and in-classroom work will be a final project. Prerequisite: THEA 250.

**THEA 353 Plays for the Young 3 cr.** The main thrust of this course is to read and study the history, range, progression, and variety of dramatic materials for and with the young. The student will develop a critical attitude towards such works and develop an insight and expertise in the

selection of materials appropriate to different ages and situations.

**THEA 361 Acting II 3 cr.** In-depth study of modern trends in acting technique with special emphasis placed upon the creation of character through various acting styles. Prerequisite: THEA 161 or consent of instructor.

**THEA 371 Advanced Scene Design 2 cr.** Advanced methods in floorplanning, perspective drawing, and model building as it relates to the theatre. Design will be done in a variety of theatre and stage configurations. Prerequisite: THEA 270.

**THEA 372 Stage Lighting 2 cr.** Principles of theatrical lighting and lighting design as applied to the creation of the theatrical environment. Prerequisite: THEA 270 or consent of instructor.

**THEA 385 Directing 3 cr.** Fundamentals of composition, stage movement, stage business, and rehearsal as applied to the directing of plays. Prerequisite: THEA 161 or consent of instructor.

**THEA 386 Playwriting 3 cr.** A study of the basic principles for writing for the stage. Emphasis will be on developing short forms of production—the ten-minute play and the one-act play.

**THEA 414 Theatre Management 3 cr.** This course will emphasize the business of theatre: Production Procedures from beginning to end; grant writing, box office procedures, publicity policies, and audience development. Prerequisite: BADM 301.

**THEA 450 Contemporary Drama 3 cr.** A study of dramatic literature from 1952 to the present. Plays from England, Europe, and the Americas will be represented. Course may be repeated as the content changes.

**THEA 461 Acting III 3 cr.** The course will cover a wide variety of acting theories and dramatic eras and genres. The course will center on character development and the process used in pursuit of the ultimate goal. Prerequisite: THEA 161.



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## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### 2004-2006 Addendum

#### Fraud Examination Minor (24 cr)

- CJ 230 Criminal Law (3)
- CJ 330 Criminological Theory (3)
- CJ 450 White-Collar Crime (3)
- CJ Investigations (3)
- ACCT 200 Elements of Accounting I (3)
- ACCT 201 Elements of Accounting II (3)
- ACCT 351 Fraud Examination (3)
- ACCT 360 Accounting Information Systems (3)

### Course Descriptions

#### CJ 230: Criminal Law - 3 Semester Hours

A critical examination of the development and function of Western criminal law; analyzes current definitions of criminal acts and omissions, defenses and justifications in the social and legal society of the United States; illustrates the development of legal interpretations of criminal statutes through the use of current and historical U.S. Supreme Court and state court decisions.

#### CJ 330: Criminological Theory - 3 Semester Hours

Provides an examination of the major criminological schools of thought as well as the prominent theorists within each school; theories are presented that examine criminal motivation and the application of criminal law; additionally, the implicit theoretical assumptions regarding the punishment of offenders is examined.

#### CJ 450: White-Collar Crime - 3 Semester Hours

Categories of job offending are analyzed through criminological theory, law, and the criminal and regulatory justice systems, including corporate crime, professional crime, individual crime, and crime by state workers. Traditional and novel strategies for the social control of these offenses are also presented.

#### CJ 299: Investigations (currently a special topics course) - 3 Semester Hours

#### ACCT 200: Elements of Accounting I - 3 Semester Hours

Basic principles of the complete accounting cycle with emphasis on current assets; property, plant, and equipment; and current liabilities.

#### ACCT 201: Elements of Accounting II - 3 Semester Hours

A continuation course of ACCT 200 with emphasis on partnerships, corporations, and management accounting.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

**ACCT 360: Accounting Information Systems - 3 Semester Hours**

Emphasizes how accounting information systems function in today's business environment. Manual and computer systems will be used to study the processes and procedures by which an organization's financial information is accumulated, classified, processed, analyzed, and communicated. Topics include business cycles, controls, integrated accounting software, spreadsheets, and relational databases.

**ACCT 351: Fraud Examination - 3 Semester Hours (Proposed)**

This course is designed to provide the student with an introduction to the skills necessary to detect, investigate and present fraud, and white-collar crime. The material covered in this course should be interest to accountants, auditors, fraud investigators, loss prevention specialists, attorneys, educators, criminologists, or business owners/ managers.

The purpose of this course is to:

1. Educate the student about the pervasiveness of and the causes of fraud and white-collar crime in our society
2. Explore the methods of fraud detection, investigation, and prevention
3. Increase the students' ability to detect material financial statement fraud

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### 2004-2006 Addendum

#### Virtual Business Minor (21 cr)

» [See Addendum for changes to this program](#) «

PSY 111 Introduction to Psychology (3)  
BIT 235 Introduction to Web Design (3)  
BIT 341 Human-Computer Interaction (3)  
BIT 370 E-Commerce Technology (3)  
BIT 455 Virtual Teams (3)  
BIT 457 Virtual Business Technology (3)  
BIT 450 Knowledge Management (3)

#### Outcomes

The Bachelor of Science in Virtual Business graduate is someone who may work for a variety of organizations but may not be an employee of any; may work remote to his/her manager, team members, and main office; communicates by email, phone, teleconferencing, or electronic collaboration technologies; is a self-organized, self-motivated, and a semi-autonomous free agent.

#### Goal One:

Demonstrates knowledge of and skills in managing virtual employees.

Learning Outcomes:

1. Trains and mentors employees.
2. Manages virtual teams. Identifies intellectual capital for building a knowledge management system.

#### Goal Two:

Uses technology in virtual business.

Learning Outcomes:

1. Chooses appropriate technology to solve a virtual business problem.
2. Uses technology for collaboration.
3. Achieves MOS certification at the Expert level in Excel, Access, and Outlook.

#### Goal Three:

Applies project management concepts.

Learning Outcomes:

1. Diagrams components of project management.
2. Uses project management strategies for virtual business development.
3. Achieves MOS certification at the Expert in MS Project.

#### Goal Four:

Articulates an understanding of concepts of human computer interaction.

Learning Outcomes:

1. Explains socio-technical concepts of human computer interaction.
2. Applies human computer interaction concepts in designing a virtual environment.

**Goal Five:**

Plans, designs, and implements a virtual business.

Learning Outcomes:

1. Constructs strategies for a virtual business.
2. Prepares, implements, and assesses a knowledge management system.
3. Adapts concepts of E-Business.

**Course Descriptions**

**BIT 341 Human-Computer Interaction (3 SH)**

Study of physical, psychological, and theoretical aspects of human factors and the computer interface. Emphasis placed on human factors, such as levels of knowledge, work environment, productivity, and satisfaction, as they interact with computer software and hardware design, implementation, and evaluation. Prerequisites: Psych 111, BIT 235.

**BIT 455 Virtual Teams (3 SH)**

Explores team creation, social/environmental aspects, member roles as well as virtual team management. Includes oral and written communication skills for working in the virtual collaborative environment. Prerequisites: BIT 318

**BIT 457 Virtual Business Technology (3 SH)**

Use of collaborative tools (application software, email, teleconferencing, Intranet, voice over IP), wireless technology, handheld devices, voice/video over IP, etc. Prerequisites: BIT 455

**BIT 460 Knowledge Management (3 SH)**

Development of knowledge management systems by creating, obtaining, importing, delivering, and helping the right people apply the right knowledge at the right time.

**BIT 471 Strategies for Managing a Virtual Business (6 SH)**

Focuses on strategic planning and management of a virtual business. Content includes resource management, project management, application of technology, and employee training and mentoring. Course is a capstone experience emphasizing the application of techniques from all previous courses and includes a semester-long internship. Prerequisites: Certifications complete (Excel, Access, Outlook, and MS Project), last semester of study.



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## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

### 2004-2006 Addendum - College of Business Curriculum

- [Printable pdf program comparison sheets from the College of Business](#)
- [New COB Core and Required Support Courses](#)
- [New Accounting Major Courses](#)
- [New Finance Major Courses](#)
- [New Management Major Courses](#)
- [New Marketing Major Courses](#)
- [MIS Major](#)
- [New VB Major Courses](#)
- [New Bachelor of Applied Science \(BAS\) Program in Applied Management](#)
- [New Bachelor of Applied Science \(BAS\) Program: Business Information Technology](#)
- [New Accounting Minor](#)
- [New Finance Minor](#)
- [New Marketing Minor](#)
- [New Management Minor](#)
- [New Management Concentration](#)
- [New Accounting Concentration](#)
- [New Marketing Concentration](#)

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

- Printable pdf program comparison sheets from the College of Business
- [New COB Core and Required Support Courses](#)
- [New Accounting Major Courses](#)
- [New Finance Major Courses](#)
- [New Management Major Courses](#)
- [New Marketing Major Courses](#)
- [MIS Major](#)
- [New VB Major Courses](#)
- [New Bachelor of Applied Science \(BAS\) Program in Applied Management](#)
- [New Bachelor of Applied Science \(BAS\) Program: Business Information Technology](#)
- [New Accounting Minor](#)
- [New Finance Minor](#)
- [New Marketing Minor](#)
- [New Management Minor](#)
- [New Management Concentration](#)
- [New Accounting Concentration](#)
- [New Marketing Concentration](#)

### New COB Core and Required Support Courses

Pre-admission Courses:

**ACCT 200** Elements of Accounting I

**ACCT 201** Elements of Accounting II

**BOTE 247** Spreadsheet Applications  
**BADM 226** Quantitative Methods for Business  
**ECON 201** Principles of Microeconomics  
**ECON 202** Principles of Macroeconomics  
**MATH 240** Applied Statistics

Pre-admission General Education Requirements:

**COMM 110** Fundamentals of Public Speaking  
**ENGL 110** College Composition I  
**ENGL 120** College Composition II  
**MATH 103** College Algebra

Post-admission Courses:

**ACCT 300** Legal Environment of Business  
**BADM 301** Fundamentals of Management  
**BADM 321** Marketing  
**FIN 353** Corporate Finance  
**BIT 320** Management Information Systems  
**BIT 318** Business Communication

### **New Accounting Major Courses**

#### New COB Core

**ACCT 301** Intermediate Accounting I  
**ACCT 302** Intermediate Accounting II  
**ACCT 303** Intermediate Accounting III  
**ACCT 326** Cost Accounting I  
**ACCT 331** Business Law I  
**ACCT 401** Advanced Accounting I  
**ACCT 411** Taxation of Individuals  
**ACCT 412** Taxation of Business Entities  
**ACCT 430** Auditing/Assurance Concepts  
**ACCT 480** Controllership

### **New Accounting Electives** (3) credits each

Elect at least 11 credits

**ACCT 315** Government/Not-Profit Accounting  
**ACCT 327** Cost Accounting II  
**ACCT 330** International Business Law  
**ACCT 332** Business Law II  
**ACCT 351** Fraud Examination  
**ACCT 360** Accounting Information Systems  
**ACCT 402** Advanced Accounting II  
**ACCT 431** Auditing/Assurance Practices  
**ACCT 497** Internship\*  
**ACCT 499** Special Topics  
**ECON 318** Money and Banking

\* 2 credits maximum

### **New Finance Major Courses**

#### New COB Core

**FIN 355** Investments  
**FIN 357** Advanced Corporate Finance  
**FIN 360** Entrepreneurial Finance

**FIN 454** Portfolio Theory  
**FIN 455** Financial Institutions & Markets  
**FIN 458** Cases in Finance  
**BADM 409** International Business  
**ACCT 321** Managerial Accounting

**New Finance Major Electives**

Select three courses from the following:

**ACCT 301** Intermediate Accounting I  
**ACCT 302** Intermediate Accounting II  
**ACCT 303** Intermediate Accounting III  
**ACCT 411** Taxation of Individuals  
**ACCT 412** Taxation of Business Entities  
**BADM 496** Business Consulting  
**FIN 443** Real Estate Finance  
**FIN 451** Insurance and Risk Management  
**FIN 457** International Corporate Finance  
**FIN 497** Internship  
**FIN 499** Special Topics\*  
**ECON 318** Money and Banking

\* Requires advisor approval for meeting program requirements

**New Management Major Courses**

[New COB Core](#)

**BADM 303** Human Resource Management  
**BADM 416** Operations Management  
**BADM 465** Strategic Management  
**BADM 436** Organizational Behavior P & P  
**BADM 304** Entrepreneurship/SBM  
**BADM 489** Entrepreneurship & New Venture Creation  
**ACCT 321** Managerial Accounting  
**BADM 409** International Business

**New Marketing Major Courses**

[New COB Core](#)

**BADM 409** International Business  
**ACCT 321** Managerial Accounting  
**BADM 324** Integrated Marketing Communications  
**BADM 488** Marketing Strategy  
**BADM 421** Applied Business Research  
**BADM 422** Consumer Behavior  
**BADM 424** Logistics and Channel Management  
**BADM 427** International Marketing

**MIS Major**

See changes in COB Core

**New VB Major Courses**

[New COB Core](#)

**BIT 235** Introduction to Web Site Design  
**BIT 312** Database Theory and Application  
**BIT 341** Human-Computer Interaction

**BIT 342** Advanced Web Site Design  
**BIT 356** Business Data Communications  
**BIT 358** Networking for Managers  
**BIT 370** E-Commerce Technology  
**BIT 450** Knowledge Management  
**BIT 455** Virtual Teams  
**BIT 457** Virtual Business Technology  
**BIT 460** Current and Emerging Issues in MIS  
**BIT 471** Strategies for Managing a Virtual Business  
**BADM 302** Entrepreneurship/Small Business Management  
**BADM 303** Human Resource Management  
**BADM 409** International Business  
**PSYCH 111** Intro to Psychology

### **New Bachelor of Applied Science (BAS) Program in Applied Management**

#### [New COB Core](#)

Associate of Applied Science (AAS) Degree  
plus completion of Two Year School

General Education Requirement including:

**ECON 201** Principles of Microeconomics 3  
**ECON 202** Principles of Macroeconomics 3  
**ACCT 200** Elements of Accounting I 3  
**MATH 240** Applied Statistics 4  
**BOTE 247** Spreadsheet Applications 3

#### **Area of Study (42 SH)**

**ACCT 201** Elements of Accounting II 3  
**BADM 301** Fundamentals of Management 3  
**BADM 303** Human Resource Management 3  
**BADM 309** Safety Management 3  
**BADM 321** Marketing 3  
**FIN 353** Corporate Finance 3  
**BADM 408** Negotiations 3  
**BADM 416** Operations Management 3  
**BADM 436** Organizational Behavior Principles and Practices 3  
**BIT 318** Business Communications 3

#### **Choose one elective from the following:**

**ACCT 300** Legal Environment of Business 3  
**BADM 406** Professional Business Ethics 3  
**BIT 320** Management Information Systems 3

**BADM 497** Internship 3 - 9 SH/Electives 0-6 9

#### **New Accounting Minor**

##### **Accounting Minor (21 cr)**

**ACCT 200** Elements of Accounting I 3  
**ACCT 201** Elements of Accounting II 3  
**ACCT 301** Intermediate Accounting I 3  
**ACCT 302** Intermediate Accounting II 3  
**ACCT 321** Managerial Accounting 3

**Elect two from the following (6cr)**

**ACCT 303** Intermediate Accounting III 3  
**ACCT 315** Government/Non-Profit Accounting 3  
**ACCT 411** Taxation of Individuals 3  
**ACCT 412** Taxation of Business Entities 3

**New Finance Minor**

**FIN 353** Corporation Finance 3  
**FIN 355** Investments 3  
**FIN 357** Advanced Corporate Finance 3  
**FIN 360** Entrepreneurial Finance 3  
**FIN 455** Financial Institutions & Markets 3

**Select two courses from the following:**

**FIN 443** Real Estate Finance 3  
**FIN 451** Insurance & Risk Management 3  
**FIN 457** International Corporate Finance 3  
**FIN 458** Cases in Finance 3  
**FIN 499** Special Topics  
**ACCT 301** Intermediate Accounting I 3  
**ACCT 302** Intermediate Accounting II 3  
**ACCT 303** Intermediate Accounting III 3  
**ACCT 411** Taxation of Individuals 3  
**ACCT 412** Taxation of Business Entities 3  
**ECON 318** Money and Banking 3

**New Marketing Minor**

**BADM 120** Fundamentals of Business 3  
**BADM 301** Fundamentals of Management 3  
**BADM 321** Marketing 3  
**BADM 409** International Business 3  
**BADM 422** Consumer Behavior 3  
**BADM 424** Logistics & Channel Management 3  
**BADM 427** International Marketing 3

**New Management Minor**

**BADM 120** Fundamentals of Business 3  
**BADM 301** Fundamentals of Management 3  
**BADM 321** Marketing 3  
**BADM 303** Human Resource Management 3  
**BADM 304** Entrepreneurship/SBM 3  
**BADM 409** International Business 3  
**BADM 436** Organizational Behavior P & P 3

**New Management Concentration**

**BADM 120** Fundamentals of Business 3  
**BADM 301** Fundamentals of Management 3  
**BADM 303** Human Resource Management 3  
**BADM 436** Organizational Behavior P & P 3

**New Accounting Concentration**

**Accounting Concentration (12 cr)**  
**ACCT 200** Elements of Accounting I 3

**ACCT 201** Elements of Accounting II 3

**Elect two from the following (6 cr)**

**ACCT 301** Intermediate Accounting 3

**ACCT 315** Government/Non-Profit Accounting 3

**ACCT 321** Managerial Accounting 3

**ACCT 411** Taxation of Individuals 3

**New Marketing Concentration**

**BADM 120** Fundamentals of Business 3

**BADM 321** Marketing 3

**BADM 422** Consumer Behavior 3

**BADM 427** International Marketing 3



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## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### The Honors Program

Director: Lynne Rumney

[Coursework](#)

[Course Descriptions](#)

### Mission and Philosophy

The Honors Program recognizes student achievement and provides unique academic challenges for motivated students with strong academic records. Honors work is designed to stimulate students to the fullest possible use of their capacities and to assist them in exploring their interests beyond traditional academic boundaries in an interdisciplinary fashion.

The program provides smaller classes, as well as Honors alternatives to established General Education and one upper division offering (Foundations of Education—ED 310). Students are offered direct contact with outstanding faculty members, opportunities for independent study, and the possibility of study abroad. The Honors Director offers advisory opportunities for honors participants.

Honors education at the University advocates the following ideals:

- to stimulate an interest in the inter-related histories that create global culture
- to promote critical and reflective thinking
- to develop excellence in verbal and written communication
- to foster the ability to work independently
- to develop intellectual curiosity
- to provide accelerated studies in specific disciplines
- to go beyond the traditional classroom format into one of extended investigation and discovery
- to afford students the opportunity for advanced interdisciplinary studies

Honors Program completion earns special designation on the transcript and diploma, as well as special recognition at graduation.

### Admission and Retention

To be eligible for admission, first year students (freshmen) must have a minimum composite ACT score of 25 or a high school GPA of 3.50 or higher (on a 4.00 scale). Students seeking admission after at least one academic term at the university must have a cumulative grade point average of 3.30. The program is open only to baccalaureate students taking eight or more credits each term.

To be retained in The Honors Program, students must have a minimum 3.00 GPA in honors courses and maintain a cumulative GPA of 3.30 or higher. Students whose honors or cumulative GPA falls below the required minimum will be placed on probation status. Students whose GPA falls below the required minimum for two consecutive semesters will be dropped from the program.

Students must meet minimum GPA requirements in order to graduate with Honors Program designation.

### **Coursework**

Some honors coursework substitutes for regular general education offerings; some may work towards upper division. The course requirements for most majors include enough "open" electives to accommodate the addition of honors coursework. Completing an Honors Program curriculum earns the student a "concentration."

The designation of "concentration" reflects the unique demands of honors general education coursework and the eight semester hours of required upper-division honors coursework.

The Honors Program curriculum consists of a minimum of 31 semester hours, structured as follows:

### **Honors General Education Coursework (23 cr)**

*(as partial fulfillment of overall General Education requirements)*

ENGL 111H Honors Composition I (3)  
ENGL 121H Honors Composition II (3)  
One year of Beginning or Intermediate Foreign Language (8)

### **An honors-designation course in the Arts, History, or Humanities (3)**

COMM 304H Communications and Popular Culture (3)  
HIST 199H Modern World Origins (3)  
HUM 299H Information Seeking Strategies (2)-Alternate  
ENGL 231H Bible as Literature (3)-Alternate  
PHIL 291H 20th Century Issues (3)

### **An honors-designation course in Mathematics or Science(3 or 4)**

Math 104H Finite Math (4)-Alternate  
Math 201H Ascent of Math (3)  
GEOL 101H Environmental Geology (4)

### **An honors-designation course in Social Science or Professional Studies (3)**

BADM 391H Seminar in Business Issues (3)  
ED 310H Foundations of Education (3)-Alternate  
PSY 391H Honors Seminar (3)  
SOC 199H Idea of Society (3)

### **General Education Items to Note:**

ENGL 111 is waived for a late entrant into the program who has already completed ENGL 110. The student is expected to take an Honors elective to substitute for ENGL 111.

COMM 110 is waived for Honors Program students who seek a bachelors degree. Due to state teacher education requirements, all BSE degree candidates must complete this course.

Beginning and Intermediate Foreign Language coursework meets university general education requirements in the Humanities category. An upper-division foreign language course can be used in the Arts, History, and Humanities category if the grade = A (200, 300 or 400 level course).

Up to six Honors Independent Study credits may be applied in the three honors-designation categories (with permission from the Honors Director).

Up to six credits from study abroad may be applied in the three honors-designation categories (with permission from the Honors Director).

Some academic majors may require completion of certain specific general education courses and may not accept Honors Program substitutions for some courses.

### **Independent Study - Honors**

No honors student may apply more than a total of six Independent Study - Honors credits to any degree program.

### **Upper Division Honors Coursework (8 cr)**

*(added to the 23 hours of General Honors work equals the 31-credit minimum for an Honors "concentration")*

HON 351H Great Works Seminar I (3)  
HON 352H Great Works Seminar II (3)  
HON 451H Senior Essay and Seminar (2)

### **Associate Honors Participation**

Upon meeting the entrance requirements for the Honors Program, transfer students entering with more than 60 credit hours earned at another institution are eligible for Associate Honors participation. To graduate with Associate Honors designation, the student must complete: one year of a foreign language and one honors general education elective and must complete upper division honors coursework as described above.

### **Courses HON**

Departments offer courses with "honors" designation (e.g., HIST 199H). If not filled by Honors Program students, such courses are open, with permission of the instructor, to any student with a minimum 3.30 cumulative GPA.

**BADM 391H Seminar in Business Issues 3 cr.** Challenges the honors student to develop critical thinking skills, apply these skills to various business issues, cultivate well thought-out opinions, and defend these opinions against others. Honors Program admission or 3.30 cumulative GPA and permission of instructor is required.

**COMM 304H Communication and Popular Culture 3 cr.** Includes analysis of audience, occasion, subject, and speaker. Subject matter will include such media as movies, songs, television, humor, fashion, public demonstration, advertisements, architecture, etc. Includes text readings, group discussion, analytical essays, and a critical paper and presentation. Prerequisite: Admission to Honors Program or a 3.30 cumulative GPA or permission of the instructor.

**ENGL 111H Honors Composition I 3 cr.** The first course in the honors curriculum, ENGL 111H takes the place of ENGL 110. COMM 110 is also replaced as long as the student is not pursuing a BSE degree. The course is reading intensive and encourages intellectual independence. Admission to the Honors Program is not a prerequisite, but ACT scores of 25 in reading and writing are required. Does not apply to the English major.

**ENGL 121H Honors Composition II 3 cr.** The second course taken in the honors curriculum. Replaces ENGL 120 in the general education program. Independent research and writing focuses on a rigorous study of literature. Prerequisites: ENGL 110 or 111H; admission to Honors Program or permission of the Honors Director. Does not apply toward the English major.

**ENGL 231H Bible as Literature 3 cr.** Study of the Bible from a literary point of view. The class emphasizes themes and the influence of biblical themes on world culture. Prerequisite: ENGL 110 or 111A-Alternate

**ED 310H Foundations of Education 3 cr.** Study of the historical, philosophical, sociological, and psychological concepts that have impacted the development of American Public Schools. Pre- or co requisite: ED 201, PSY 111-Alternate.

**GEOL 101H Honors Environmental Geology with lab 4 cr.** Human's interaction with the Earth. Major environmental problems facing humankind today including: water resources, energy and mineral resources, and geologic hazards. Laboratory time will focus on small-scale research projects, in-depth discussions of particular topics including current events, and local field trips. Lecture 3 hours; laboratory 3 hours. Honor Program admission or 3.30 cumulative GPA and permission of instructor.

**HIST 199H Modern World Origins 3 cr.** A seminar in the origins of the modern world. Class time will emphasize student discussion of assigned relevant historical source, both primary and secondary. In addition, there will be extensive and varied writing assignments. Honors Program admission of 3.30 cumulative GPA and permission of the instructor is required.

**HON 251H Governor's Seminar 3 cr.** Under the direction of the Governor of North Dakota, students work as a special topics research team. They meet with the governor at the beginning of the course to define issues, and at the end to present and discuss their findings. Honors Program admission or permission of the honors director is required.

**HON 351H Great Works Seminar I 3 cr.** Offered spring semester, this is the first half of a year long survey of world literature since Homer. Based on a readings list defined by the Honors Council and Student Honors Society, each offering focuses on directed reading and analysis of thematically defined selections from that list. Honors Program admission and at least junior standing are required.

**HON 352H Great Works Seminar II 3 cr.** Offered fall semester, this is the second half of a year long survey of world literature since Homer. Based on a readings list defined by the Honors Council and Student Honors Society, each offering focuses on directed reading and analysis of thematically defined selections from that list. Honors Program admission and at least junior standing are required.

**HON 451H Senior Essay and Seminar 2 cr.** Research project undertaken during the senior year under supervision of honors faculty. Result is reported during one of a series of seminars involving both honors seniors and honors faculty. This qualifies as an honors thesis. Project topic requires formal approval of honors director. Product is bound and archived. Honors Program admission and senior standing are required.

**HUM 299H Information Seeking Strategies 2 cr.** Introduces the student to organization and retrieval of information in a democratic society. Topics to be covered include: description of the information environment; production of information; changing role of libraries; technology of

information transfer; introduction to systematic literature searching; and organization of information in the disciplines of science, social science and the humanities-Alternate.

**MATH 104H Finite Math 4 cr.** Systems of linear equations and inequalities, matrices, linear programming, logic, mathematics of finance, elementary probability and descriptive statistics.— Alternate

**MATH 201H Ascent of Math 3 cr.** Selected topics in mathematics such as: sets, logic, number theory, mathematical systems, and probability and their relation to problem solving. Prerequisite: Two years of high school algebra or departmental approval.

**PHIL 291H 20th Century Issues 3 cr.** This course is an intensive analysis of some key movements and ideas in the United States during the years 1945-1975. Topics to be discussed include the following: (1) American foreign policy, the Cold War, and the ethics of deterrence; (2) McCarthyism, civil liberties, and the Constitution; (3) The Civil Rights movement, Martin Luther King, affirmative action, and racism, (4) Women's Liberation, feminism, and comparable worth; (5) Vietnam, American imperialism, and the ethics of war. Issues will be approached from an interdisciplinary standpoint. Primary focus will be on ethical and sociopolitical issues as understood in their historical context. Honors Program admission or 3.30 cumulative GPA and permission of the instructor is required.

**PSY 391H Honors Seminar 3 cr.** Topics of research interest to the psychology faculty will be presented to students enrolled in the University's Honors Program.

**SOC 199H Idea of Society 3 cr.** (Models of human nature and of society. The sociological approach to seeing the world. Societal problems.) Honors Program admission or 3.30 cumulative GPA and permission of the instructor is required.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
  
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### General College

Advisor: Lisa A. Johnson

### General College Advising

General College is the academic home for exploratory students at Minot State University. Many entering students are uncertain as to their choice of major. The General College Advising Program provides these students with an opportunity to explore various academic possibilities while earning credits that apply toward any degree. A select set of faculty and professionals serve as academic advisors to the General College majors.

### Bachelor of General Studies Degree Requirements

This generalist's degree program is designed for students whose educational objectives are not aligned with a more traditional degree program. It offers flexibly scheduled, highly individualized curricula leading to a Bachelor of General Studies (B.G.S.) degree. Through individualized advising, the program helps students define their educational goals and design interdisciplinary curricula drawing on a variety of course offerings. The program is also intended to allow a student who has completed most of the requirements of a major but has been unsuccessful in some required portion of an approved program to complete a degree in a timely manner.

### Student Goals

- Facilitate completion of a four-year degree
- Ensure completion of general education requirements
- Utilize flexible instruction methods to complete remaining coursework
- Encourage exploration of upper-division coursework
- Clarify and encourage academic and career goals

### Student Outcomes

- Develop a positive sense of closure in completing a four-year degree to allow career advancement or continued education
- Apply for marketable post-graduation opportunities
- Foster a positive alumni relationship with the university

### The following minimum requirements are in place:

1. 128 credits.
2. 40 credits of 300-400 level course work.
3. 30 credits earned in residence.
4. 60 credits from a four-year college or university
5. 2.00 cumulative grade point average.
6. Completion of the General Education Requirements.
7. Students electing this degree program must register their intent with the Director of Records who will serve as their advisor.
8. Students pursuing a B.G.S. degree are not permitted to declare any major, minor, or

concentration.

**Bachelor of General Studies**

FIRST YEAR STUDENT (FRESHMAN)

**Fall (13 SH)**

ENGL 110 College Composition I 3 SH  
Humanities (GE3) 3 SH  
Math (GE5) 4 SH Social Science (GE6) 3 SH

**Spring (13 SH)**

ENGL 120 College Composition II 3 SH  
History (GE2) 3 SH  
Humanities (GE3) 3 SH  
Science (GE6) 4 SH

SOPHOMORE

**Fall (15 SH)**

COMM 110 Fundamentals of Public Speaking 3 SH  
Science (GE6) 4 SH  
Wellness (GE4) 2 SH  
Social Science (GE7) 3 SH  
Elective 3 SH

**Spring (18 SH)**

Elective Credit (Use these credits to fulfill-lower level prerequisites for upper-division coursework you plan to take). 18 SH

JUNIOR

**Fall (18 SH)**

300 or 400 level coursework 9 SH  
Elective 9 SH

**Spring (18 SH)**

300 or 400 level coursework 12 SH  
Elective 6 SH

SENIOR

**Fall (18 SH)**

300 or 400 level coursework 12 SH  
Elective 6 SH

**Spring (17 SH)**

300 or 400 level coursework 9 SH  
Elective 8 SH

**Total 130 SH**

These four-year matrices are possible with commitment, focus and optimal conditions



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

### Study Abroad

Coordinator: David Bradley

Minot State University sponsors a study abroad program that is open to all qualified students regardless of major.

### The International Student Exchange Program (ISEP)

Through ISEP, a student can spend a semester or a year in one of over 100 universities abroad while remaining registered at MSU. Room, board, tuition, and fees are paid at MSU. The cost of the exchange is approximately the same as the equivalent period at MSU except for transportation, which is the responsibility of the student. Credits earned abroad are fully transferable, and most forms of financial aid can be applied to the exchange. Course-work in most majors is available. Application deadline is February 1 for the following academic year. See the Study Abroad Coordinator for more information and application forms.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

### Registration

Registration for the next semester takes place over a two-week period toward the end of each term. Registration priority is determined by the number of credits completed. Students may not register earlier than their assigned time, but they may register later. Refer to the Term Schedule published each semester through the Records Office for specific information on course offerings and registration procedures.

Students register using the web registration either from the advisor's office or from off-campus following their advising session. Web registration enables the student to access the registration system at a preassigned time or anytime thereafter during registration. Instructions for using web registration are printed in the Term Schedule and on the web at [www.minotstateu.edu/records](http://www.minotstateu.edu/records). First year students (freshmen) and transfer students will be introduced to web registration during registration activities.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Changes in Registration

#### Adding Courses or Changing Sections

Students may make routine registration adjustments to their program of study via web registration. Students can access information on the availability of classes through the Minot State University home page at [www.minotstateu.edu](http://www.minotstateu.edu). Specific deadlines for add/drop procedures are listed in the Term Schedule each semester.

Requests for the addition of closed, restricted, or overload credits must be processed through the Records Office. Students must obtain an add/drop slip from the department or division office responsible for each class they wish to add and obtain the necessary signatures and the department stamp before changes can be processed.

Undergraduate classes may be added or section changes made through the tenth day of instruction in a fall or spring semester and through the fourth day of instruction in a summer session.

Students may not add courses after the deadline unless very unusual circumstances exist. In such cases they must obtain the approval of the instructor and the chair overseeing the course on an add/drop slip with a department/division stamp provided by the department/division offices.

### Dropping Courses

Students drop courses via the web according to specific deadlines and add/drop procedures listed in each Term Schedule. All but the last course can be dropped via the web. (Students who wish to completely withdraw from the University must file a Withdrawal Notice with the Financial Aid Office—see Withdrawal from the University.)

Undergraduate classes may be dropped or grading options changed through the tenth week of instruction in a fall or spring semester and through the end of the fifth week of instruction in a summer session.

### **Withdrawal from the University**

Students who find it necessary to withdraw from all courses during a semester must complete a Withdrawal Form either at the Financial Aid Office or online at [www.minotstateu.edu/finaid](http://www.minotstateu.edu/finaid). Students who are unable to physically come to the campus may also request a withdrawal by sending a letter to the Financial Aid Office. The last day to withdraw is the end of the twelfth week of instruction in a fall or spring semester and end of the sixth week of instruction in a summer semester.

### **Class Attendance**

Students are expected to attend all class sessions of any course for which they are registered. Students who are registered for a course but fail to attend any of the first three hours of class meeting time may be canceled from that class by the instructor during the first ten instructional days. This rule allows for early identification of class vacancies to permit other students to add closed classes. Students who know they will be absent from any class should contact the instructor in advance.

However, lack of attendance does NOT guarantee automatic cancellation for students. Each student is held accountable for those courses selected at the time of registration. Only a "drop" properly processed by web registration will assure the student that a class has been dropped from his/her schedule of classes. Failure to officially drop a class or withdraw from the University will result in failing marks on the student record. The last day to drop an undergraduate class is the end of the 10th week.

### **Late Course Drops**

Students who fail to drop a course by the official "drop" date may apply for "late course drop" due to extenuating circumstances. Late course drops must be approved by the instructor. The instructor's signature and the department/division stamp must be obtained on an add/drop slip available in the Records Office or the department/division offices. Completed add/drop slips are to be returned to the Records Office. A late course drop must be processed prior to the first day of final exams.

### **Late Withdrawals**

Students who fail to withdraw from all courses by the official "withdrawal" date may be eligible for late withdrawal. The request for withdrawal must be for reasons beyond the student's control, including but not limited to the following: death of an immediate family member, extended illness, or hospitalization of the student. Late withdrawals are processed through the Financial Aid Office. Third party documentation is required when requesting a late withdrawal. Documentation may be a letter from the student's physician or an obituary notice or other documentation that verifies the student's special circumstance. A late withdrawal must be processed prior to the first day of final exams.

Students who leave the university without completing the official withdrawal procedure will receive failing grades (Fs) in all classes.

### **Student Rights Committee**

A student who fails to withdraw from school or who fails to drop a course prior to the first day of finals is directed to the Student Rights Committee for individual review. Appeals are only granted

for extenuating circumstances that are related to the term(s) being appealed.

Requests to the Student Rights Committee must be in writing, and it is the responsibility of the student to provide evidence supporting his or her request. The decision of the Student Rights Committee is considered final.

Information is available and requests are submitted through the Records Office on the second floor of the Administration Building.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
  
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

### Grading System

#### Traditional Letter Grading

These grades are reported in letter symbols, each of which carries an honor point value per resident credit attempted. Honor points are used to measure a student's scholastic achievement. (See also "Computation of Grade Point Average.")

Significance	Grade Honor Points	
Excellent	A	4
Good	B	3
Average	C	2
Poor	D	1
Failure (no credit)	F	0

#### Satisfactory/Unsatisfactory Grading

Grades of Satisfactory or Unsatisfactory rather than the traditional grades of A through F are used in some courses at the University. A grade of S grants credit toward graduation but does not affect a student's grade point average. A grade of U also does not affect the grade point average and does not grant credit toward graduation. The grading basis for all courses, including these offered strictly on an S/U basis are available in the registration software by selecting the icon for additional course details.

Elective S/U grading. Students may request to take a course on an S/U basis that is normally letter graded (A-F). The request must be made before the last day to add a course for that particular session (full term, first eight weeks, second eight weeks).

The S/U option is open to all students in good academic standing who have achieved junior year status with 60 or more semester hours. Students on Academic Warning or Academic Probation are prohibited from pursuing this option.

No more than fifteen semester hours of elective S/U coursework can be applied toward a baccalaureate degree. The S/U option may not be used in those courses to be applied to the student's major, minor, general education requirements, or the professional education sequence. However, one S/U course may be applied to each area of concentration.

Additional S/U grading. The S/U grading option is used to transcript nationally recognized academic tests such as the College Level Examination Program (CLEP), Advanced Placement (AP), and the American Council on Education (ACE). While individual test scores may be transcribed at the University, it is the responsibility of the student to ensure fulfillment of a program requirement through the department/division chair.

- CURRENT STUDENTS
- FUTURE STUDENTS
- ALUMNI & FRIENDS

Satisfactory/Unsatisfactory grading is also used to record graduate level professional development activities numbered 500 on the transcript, indicating workshop credit.

### **Other Symbols**

**A** - student's record, or transcript, may contain additional symbols:

**W** - The student Withdrew from the course.

**I** - The student earned an Incomplete grade in the course. (See "Policy on Incompletes.")

**X** - The student's work in the course remains in progress.

**S** - The student earned a Satisfactory mark in the course.

**U** - The student earned an Unsatisfactory mark in the course and earned no credit as a result.

**P** - The student earned a Pass mark in the course.

**AU** - The student Audited the course and earned no credit.

**R** - The student Repeated this course at a later date.

**#** - The student's grade in this course replaces a previously earned grade. (Refers back to the R sign.)

**Z** - The course is offered for no credit, no grade.

**NR** - The grade has not yet been reported.

**Policy on Incompletes** An incomplete may be given to the student who has been in attendance, has done satisfactory work (C or better) during the term, and whose work is incomplete for reasons found to be satisfactory to the instructor. The incomplete must be removed and a grade assigned by the instructor before the thirtieth instructional day of the semester following spring or fall term in which the incomplete was given. Incompletes not removed by that time will be recorded as failures.

**Policy on Repeating Courses** Students may repeat courses taken at Minot State, but should be aware of the following guidelines:

- MSU courses must be repeated through MSU for an improved grade. Repeating a course at another institution will average both grades in GPA calculations.
- When repeating a course through MSU, the most recent grade will be included in GPA calculations.
- Courses that have been failed in face-to-face format cannot be repeated via correspondence.
- Students cannot repeat courses for an improved GPA after a degree has been posted.
- Transcripts will automatically reflect repeated courses upon conclusion of a semester. Students are asked to contact the Records Office if he/she believes a repeated course has not been properly identified as a repeat on the transcript due to changes in course title or course numbering.

The student who wants to repeat a course no longer offered in the college curriculum must obtain permission to substitute a currently offered course from the chairperson of the division or department responsible for the original course.

**Policy on Academic Reassessment of Past Grades** This policy pertains only to former Minot State University students returning to the University as prebaccalaureate undergraduate students after an absence of five or more years. It provides those students an opportunity to have their academic standing reflect the increased maturity and improved level of academic performance gained since the interruption of studies at Minot State. It is designed to facilitate the return to good academic standing of students who have accumulated large honor point deficits in the early stages of their career at the University.

#### **The following eligibility criteria must apply:**

1. The student must be one whose previous academic performance at Minot State University as measured by cumulative grade point average (GPA) was less than 2.00.

2. The student has returned to the University as a prebaccalaureate undergraduate student after an absence of five or more years.
3. The student has demonstrated a renewed academic interest and effort upon returning to Minot State by earning a first semester cumulative grade point average of at least 2.00 as a full-time student or at least a 2.00 in the first 12 semester credits completed as a continuing part-time student.
4. The student must be currently enrolled and in good standing at the time the request for academic reassessment is processed.
5. Grades eligible for exclusion are those earned five or more years ago at Minot State University. This policy does not apply to transfer credit from other institutions.

Students who meet the eligibility criteria may request to have "F" grades previously earned at Minot State University excluded from their total credits earned and from grade point average (GPA) computations for the purpose of meeting scholastic continuance and graduation requirements. Excluded "F" grades, however, will remain on the permanent transcript.

The courses for which reassessment is sought must be discussed in consultation with the academic advisor of record and must be approved by the student's major department chair and by the dean of that college. Students with more than one major need approval from each appropriate chair and dean. The grade exclusion policy may be used only once during a student's enrollment at Minot State University and cannot be revoked by the student after approval. Academic reassessment must be requested prior to the awarding of a baccalaureate degree.

Students in the Teacher Education program need to be aware that the North Dakota Education Standards and Practicum Board (ESPB) has the authority to determine how GPA is calculated for teacher certification purposes. ESPB has had a practice of determining GPA based upon ALL college courses taken by the applicant. The ESPB adds all grades, including "F" grades which have been reassessed by institutions, to determine if a student meets the 2.5 minimum grade point average requirement for certification.

#### **Policy on Failure in Sequential Courses**

Students who fail a course which is the prerequisite in a sequence of courses will not be allowed to continue in that sequence until a passing grade is received in the course.

#### **Computation of Grade Point Average**

The grade point average (GPA) is computed by dividing the number of honor points earned by the number of semester credits attempted for which grades of A, B, C, D, or F were given. Honor points for each course are calculated by multiplying the number of semester credits by the points awarded for the grade achieved in the course. For example, a student who received an A, a B, a C, and a D in four 3-credit courses would have the following GPA:

A x 3 credits = 4 x 3 = 12 honor points

B x 3 credits = 3 x 3 = 9 honor points

C x 3 credits = 2 x 3 = 6 honor points

D x 3 credits = 1 x 3 = 3 honor points

Total = 12 credits = 30 honor points = 30 honor points/12 credits = 2.50 GPA

GPA's are used in determining eligibility to work on campus, to receive financial aid, to continue in a course of study, to participate in varsity competition, for membership in organizations, and to petition for overload.

Cumulative GPA accounts for all academic credit earned at Minot State University and at any other college or university attended.

Institutional Cumulative GPA accounts for all academic credit earned at Minot State University.

Term GPA reflects the student's academic average for an individual term.

Major and Minor GPAs account for those required and elective credits which will be applied to the major or minor. The same procedure is used in computing the averages for the elementary competence and concentration areas.

Education Sequence GPAs are computed on the semester credits required in the sequence exclusive of student teaching. Averages for those in secondary education are computed on the semester credits required in the sequence plus required methods courses, but exclusive of student teaching.

### **Grade Reporting**

Students may access their grades through the web approximately one week following the close of the terms. Approximately two weeks following the close of the term, students carrying identification may pick up one unofficial copy of their own grades at the Records Office. Students who wish to have their grades mailed to them may leave a self-addressed, stamped envelope at the Records Office. Discrepancies on transcripts must be brought to the attention of the Records Office within one year of the term in question.

### **Grade Appeal Procedures**

The evaluation of student performance is recorded on the student's University transcript as part of the student's permanent record. The grade is determined by the faculty member responsible for the course and is based upon factors related to achievement of the course objectives. The course grade is considered final unless an appropriate appeal is filed by the student. For the student who is dissatisfied with a grade and has reason to believe the grade issued is incorrect, the following appeal procedure is provided by the University.

**Step 1** Within the following term, the student shall confer with the instructor who issued the grade and outline the reasons why he or she believes the grade is incorrect. (If the faculty member is unavailable, the student is expected to contact the chairperson or college dean within this same time period.) Following the student-faculty conference, the instructor shall advise the student of the outcome of the course grade review and shall process a grade change if appropriate.

**Step 2** If the student still considers the grade to be incorrect, the student may formally appeal the grade at the "college level" within fourteen (14) days following the completion of Step 1. The Step 2 appeal process requires the student to obtain the procedure to be used in this step from the office of the college dean in which the faculty member resides.

**Step 3** If the student is still dissatisfied, the student may request that the case be reviewed at a hearing by the Student Rights Committee. The formal request for the hearing must be received by the Director of Records within fourteen (14) days after the completion of Step 2. The decision of the Student Rights Committee shall be considered final.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
  
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

### Academic Requirements

#### President's Honor Roll

Undergraduate students who earn a minimum term average of 3.50 while enrolled for 12 or more credits during the fall or spring semester are recognized for their achievement by placement on the President's Honor Roll.

#### Academic Progress

University-wide minimum academic progress requirements (individual colleges or departments may have higher requirements) are based on the set of minimum grade averages printed below. The minimum grade average requirement is raised progressively in order to help students meet the minimum requirements for graduation.

#### Satisfactory Progress Requirements

Semester Credits Attempted	Required Cum GPA
1-23	1.50
24-59	1.75
60 or more	2.00

#### Retention

All student records are reviewed at the completion of each term throughout the year. Should the cumulative grade point average (Cum GPA) fall below the required minimum, as noted in the table above, the student is placed on academic warning, academic probation, or may be suspended, depending on prior academic history.

#### Academic Warning

The first time a student's end-of-term grades bring the Cum GPA below the required minimum, a warning shall be issued from the Records Office notifying the student that he or she has been placed on Academic Warning. A notation of "Academic Warning" is added to the student's permanent record/transcript.

#### Academic Probation

The student on Academic Warning is given another term of enrollment to bring the Cum GPA up to at least the required minimum. Failing that effort, the student is moved from a status of warning to one of Academic Probation. A notation of "Academic Probation" is added to the student's permanent record/transcript.

**Exception:** The student who has earned a Term GPA of at least 2.0 will be extended yet another Probationary term in which to attempt to raise the Cum GPA to at least the required minimum. A notation of "Continued Probation" is added to the student's permanent record/transcript.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### **Academic Suspension**

If the student on Academic Probation has not raised his/her Cum GPA up to at least the required minimum by the end of the third consecutive term of enrollment, that student is placed on Academic Suspension. A notation of "Academic Suspension" is added to the student's permanent record/transcript.

A first suspension requires that the student sit out for the next fall or spring semester. The student may then be readmitted on Academic Probation to attempt again to bring the Cum GPA to at least the required minimum. Failing that, a second suspension requires that the student sit out for both a fall and spring term.

### **Suspension Appeals Committee**

Students suspended from the University may petition for a one-term extension of probationary status if they feel their case warrants special consideration. Appeals must be made in writing to the Director of Records. Circumstances beyond the student's control and a plan for improved performance must be evidenced before reinstatement will be considered. If the appeal is granted, the student will be conditionally readmitted with the statement "Academic Suspension/Reinstated" recorded on the permanent record/transcript.

### **Academic Honesty**

Honesty and integrity are central to academic life at Minot State University. They create a trust necessary in a community of scholars. When that trust is violated by cheating in any form, the atmosphere of academic freedom is threatened.

Cheating may affect the student in accordance with the faculty member's grading policy, and/or it may result in student disciplinary action in accordance with the Student Conduct Policy (available in the office of Student Affairs).



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### General Information

[Examinations](#) (regular & special)

[Restricted Directory](#)

[Student Directory Information](#)

[Transcripts](#)

### Credit

Effective fall, 1992, Minot State University converted from the quarter to the semester system. Credit is defined in terms of semester hours. A semester credit typically represents one (fifty-minute) period of lecture or two or three hours of directed laboratory, studio, or clinical work per week for a term of sixteen weeks. Credits remain on the student's record indefinitely. Students are reminded that for every hour spent in class, another two to three hours of out-of-class preparation time is likely.

### Full Time Student Defined

A normal undergraduate load for a fall or spring semester is 12-18 credits. A normal undergraduate load for a summer session is 6-12 credits.

### Overload

Students who wish to attempt more than 18 credits a term must meet the minimum cumulative grade point average requirements noted below. Students may not register for more than 24 credits per term. The Overload Approval form must be signed by his/her advisor and must also contain the division or department stamp.

19-20 credits requires at least a 2.75 Cum GPA

21-24 credits requires at least a 3.00 Cum GPA

### Classification of Students

Students are classified by year according to the number of credits earned as follows:

**First year student (Freshman)**0-23 credits

**Sophomore**24-59 credits

**Junior**60-89 credits

**Senior**90 credits or more

### Examinations - Regular

Examinations in University courses are of two kinds:

1. Instructional tests administered by instructors at various times during a term with or without prior notice, and
2. Final examinations administered at the close of each term in accordance with a prepared schedule of examinations. Final examinations must be written on the days and at the hours

scheduled.

### **Examinations - Special**

Special examinations as administered at Minot State University serve two purposes: to waive a requirement or to earn credit by examination.

### **Credit by Exam**

Under certain circumstances, a currently registered student may receive credit by examination for a course in which he or she has not been regularly enrolled. Each department or division may determine those courses, if any, for which credit may be earned by examination. Credit by examination may be awarded through nationally standardized tests or through institutionally devised tests.

Nationally standardized tests such as the College Level Examination Program (CLEP), the Advanced Placement (AP) examinations, or the National League of Nursing (NLN) examinations, may yield scores which earn lower division, "Satisfactory" credits for the student. Students pay a test fee directly to the test service. Under Policy 403.7.3.c, the Academic Affairs Council of the NDUS has adopted the American Council on Education (ACE) recommendations for minimum CLEP scores. The Council has not adopted credit for equivalents for CLEP general examinations.

No institutional fees are involved. Interested students may inquire at the Records Office or at the Student Development Center for specific information on how credit earned by examination may be applied to particular degree requirements, including General Education Requirements. Official score reports must be sent to the Records Office before any Satisfactory credits are posted to the student's permanent record. Credits earned by standardized examination do not carry letter grade or honor point values, nor are they considered credits earned in residence. Such credits posted to the Minot State University transcript may not transfer to other institutions.

Institutionally devised tests serve to validate prior learning in order to award college credit. Such tests may be either department examinations or validation examinations.

Department Examinations may be available to regularly enrolled students who wish to establish Minot State University credit for acquired proficiency in a given subject matter. Requests should be addressed to the chairperson of the division or department overseeing the corresponding courses who will then determine if credit by examination is an appropriate alternative for the student. In some cases CLEP may be advised. High school transcripts or other evidence must first be presented to document qualification for a department examination.

A Petition to Earn Credit-by-Examination must then be obtained from the Records Office and completed as per instructions. A nonrefundable special exam fee of 50% of the regular per credit charge for the course(s) is assessed and must be paid prior to taking the department examination.

Passed examinations establish Pass credits which are recorded on the student's permanent record. However, no letter grades or honor points are posted to the permanent record. Credit established by department examinations will not count toward a student's term load, nor are they considered credits earned in residence. Such credits posted to the Minot State transcript may not transfer to other institutions.

Validation Examinations may be available to regularly enrolled students who wish to establish credit for Minot State University courses that correspond to learning acquired at unaccredited and nondegree institutions. Evidence of having satisfactorily completed the corresponding course work

must first be presented in the form of a transcript.

A Petition to Earn Credit-by-Examination must be obtained from the Records Office and completed as per instructions. A nonrefundable special exam fee of 50% of the regular per credit charge for the course(s) is assessed and must be paid prior to taking the validation examination.

A committee of three faculty members appointed by the chairperson of the area offering the course (s) will administer and evaluate the examination. The majority opinion will prevail in determining if the student has passed. Such examinations must be searching and comprehensive. Passed examinations establish Pass credits which are recorded on the student's permanent record. However, no letter grades or honor points are posted to the permanent record. Credit established by validating examinations will not count toward a student's term load, nor are they considered credits earned in residence.

Petitions to take these examinations must be submitted by the student during the first term in residence. The chairperson of the area offering the course(s) will determine when the examination is to be taken.

### **Changes of Name/Address/Phone Number**

Students are required to advise the University in writing of any changes of name, address or phone number. Forms are available from either the Records Office in the Administration Building or online at [www.minotstateu.edu/records](http://www.minotstateu.edu/records). Concerns about release of directory information may also be directed to the Records Office.

### **Restricted Directory**

The Family Educational Rights and Privacy Act (FERPA) designates certain information related to you as "Directory Information." Students may request to prevent the release of directory information to third party individuals by notifying the MSU Records Office or completing the Student Rights to Privacy form at the Records Office website. Failure to notify the Records Office as outlined above indicates implied consent to release directory information. Minot State University has identified the following as directory information:

- Name, campus address, home address, telephone listing, and campus e-mail address;
- Photograph;
- Gender and marital status;
- Name and address of parent(s);
- Student's major(s) and the department, division, and college in which the student is enrolled;
- Classification as a first year student (freshman), sophomore, junior, senior, graduate student, or special student;
- Participation in officially recognized activities and sports;
- Weight and height of athletic team members;
- Dates of attendance at Minot State University;
- Degrees and awards received, including selection to the President's Honor Roll, honorary organizations, and graduation with honors;
- Grade point average (available to campus professional and social organizations);
- The most recent previous educational agency or institution attended by the student.

### **Student Directory Information**

Annual Notification of Rights under FERPA

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

These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his 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. 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 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 school in which a student seeks or intends to enroll.
4. The right to refuse to permit the designation of all of the following categories of personally identifiable information as "directory information," which is not subject to the above restrictions on disclosure:
  1. name, campus address, home address, email address, telephone numbers, and photograph;
  2. gender and marital status;
  3. name and address of parent(s);
  4. student's major(s) and the department/division, and college in which the student is enrolled;
  5. classification as a first year student (freshman), sophomore, junior, senior, graduate student, or special student;
  6. participation in officially recognized activities and sports;
  7. weight and height of athletic teams members;
  8. dates of attendance at Minot State University;
  9. degrees and awards received, including selection to the President's Honor Roll, honorary organizations, and graduation with honors;
  10. grade point average (available to campus professional and social organizations)
  11. the most recent previous educational agency or institution attended by the student.Any student wishing to exercise this right must inform the Records Office in writing (forms are available) by Friday of the second week of each term.
5. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Minot State University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is: Family Policy Compliance Office U.S. Department of Education 400 Maryland Avenue SW Washington DC 20202-4605

A copy of the Family Educational Rights and Privacy Act of 1974 is on file and available for inspection at the following campus locations:

Library  
Director of Student Life  
Placement Office

V.P. Student Affairs  
Academic School Offices  
Student Association  
Records Office  
Student Development Center

### **Transcripts**

The student's official academic history, or transcript, is issued only when all financial and administrative obligations to the University have been met. Requests for transcripts must be made in writing by the student to the Records Office at least one week prior to the date needed. The student will be asked to provide the following information: student's name, address, and phone number; Social Security number; date of birth; first time attended; signature.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Graduation Requirements

#### Catalog Governing Graduation

A student may graduate fulfilling University and departmental requirements in any one Minot State University catalog in force during the period in which he or she has been continuously enrolled in the fall and spring semesters for up to six years immediately preceding graduation. University or departmental requirements may change to comply with accreditation, certification, and licensing requirements. In the event of elimination from the curriculum of courses, the University reserves the right to determine appropriate substitutions. Should programs be eliminated from the curriculum, the University reserves the right to determine an appropriate phase-out process.

#### Applying for Degree Candidacy

The student must file a preliminary application for graduation with the advisor of record at the close of the junior year. To become a candidate for a degree, a final application for graduation must be filed with the advisor of record as the student registers for the final term of enrollment. The advisor certifies that all major and minor requirements will be met by the close of the final term. The chairperson then approves the application and submits it to the Records Office for verification of the satisfactory completion of General Education and residency requirements. The Records Office then informs the candidate of the procedures to be completed. It is the student's responsibility to comply with all deadline dates as specified in the Term Schedule. Failure to do so could result in the postponement of graduation.

#### Credits Required for a Degree

Baccalaureate Degree A minimum of 128 semester credits is required for a baccalaureate degree at Minot State University. At least 60 of these credits must have been earned at a four-year college or university. The student must have completed the Minot State University General Education Requirements and all required courses for the selected major(s), minor(s), and area(s) of concentration and competency, as well as any other professional requirements as may be prescribed in each curricular plan. No more than 15 credits earned with the Pass/Fail option may be applied toward the degree. No more than 16 credits earned through correspondence courses may be applied toward the degree.

#### Double Degrees and Second Degrees

Students may elect to earn two or more bachelor degrees. Those deciding to earn two or more degrees must complete all the requirements of the majors for each degree. The same support areas (majors/minors/concentrations) may not be used to meet requirements for multiple degrees. In addition, students must earn for each degree a minimum of 30 semester credits beyond the number required and posted for the first degree. The degrees may be earned concurrently (Double Degrees) or at different times (Second Degrees).

#### Double Major

Students may elect to earn a single degree with more than one major. Students may complete a

double major (two majors) or any number of majors. All requirements for both or multiple majors must be completed even though students will receive a single degree such as a Bachelor of Arts with majors in English and history. (If a bachelor's degree is the objective, it is only necessary to complete the number of semester hours required for a single major.

#### **Adding a Major/Minor After a Degree Has Been Posted**

Students who have previously completed a degree at Minot State University may elect to return to the University to complete an additional major and/or minor. Refer to the current catalog for detailed information about a specific major or minor of interest.

#### **Grade Point Average Requirements**

A minimum grade point average of a 2.00 is required in all the major, minor, concentration, competency areas, and cumulative averages for associate and baccalaureate degree candidates. However, some programs of study have higher minimum grade point average expectations. Refer to "Additional Degree Requirements."

#### **Honors Requirements**

The cumulative grade point average is used to determine which baccalaureate degree students may graduate with honors. Prospective honors graduates must have completed both a minimum of two terms in residence and 30 semester credits at Minot State University. For students earning a second degree, honors are based on grades earned beyond the first degree. The minimum honors requirements are as follows:

##### **Honor - Cumulative GPA**

Cum Laude - 3.50

Magna Cum Laude - 3.75

Summa Cum Laude - 3.90

#### **Residency Requirements**

All courses taught through the Minot State University Campus or on North Central Accreditation and the State Board of Higher Education approved sites are considered "in residence."

Baccalaureate degree candidates must have earned a minimum of 30 semester credits in residence. At least 12 of the credits required for any major and at least six of the credits required for any minor must have been earned in residence.

#### **Student Outcomes Assessment**

The university routinely conducts campus-based studies of student achievement, student attitudes, student satisfaction, and professional and career development of students. These studies are grouped under the heading of outcomes assessment. Participation in outcomes assessment activities is expected of all students.

While every student is not selected for every campus assessment activity, students can anticipate that they will be involved in the assessment of the General Education outcomes and that at a minimum, graduating seniors will be required by their major departments to participate in assessing the effectiveness of their major program. Alumni will be surveyed to assess job placement rates. Assessment activities may include standardized testing, faculty developed exams, surveys, portfolios of student work, group or individual interviews, or observation of performance activities. There may be fees associated with standardized tests. Fees will be indicated in the term schedule when they are associated with a particular course.

Assessment results are used to enhance teaching and learning, improve the design and implementation of programs and curricula, and improve the quality of the educational experience

for future generations of MSU students

### **Commencement**

Degrees are conferred at commencement exercises held at the close of the spring semester. Candidates for graduation are those students who have satisfied graduation requirements within the current academic year as well as those who expect to finish their requirements in the summer session immediately following commencement. Students completing graduation within this period are encouraged to participate in the exercises. With prior approval from the Director of Records, a candidate may be granted a degree in absentia.

### **Diplomas**

Diplomas are issued following each term and are mailed one month following the close of the academic session in which graduation requirements have been completed. Students must notify the Records Office of a forwarding address. Diplomas or official transcripts will not be released for students who have outstanding debts owed to the University.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
  
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### General Education Requirements

[General Education Inventory](#)

[NDUS General Education Transfer Agreement](#)

All baccalaureate degree students must complete the General Education Requirements (GER) specified below. Courses taken to complete GER may also be used to complete the requirements of majors, minors, or concentrations. These courses must be taken for a letter grade. Students are expected to study broadly beyond their areas of specialization.

### Statement of Philosophy

At Minot State University, the principal role of general education is to foster the broad repertoire of intellectual, social, and cultural skills needed to function in the world. General education equips students to understand and influence their own milieu. General education develops the ability to gather, analyze, and synthesize information and to use it in solving problems. The general education curriculum therefore emphasizes 1) mastery of linguistic skills, 2) a broad historical and cultural perspective, 3) literacy in the social, natural, and mathematical sciences, 4) understanding and appreciation of the arts such as music, literature, painting, and sculpture, and 5) commitment to contributing one's talents to advancement of the common good. It develops an ability to think and live creatively, critically, intuitively, and rationally, using the full range of abilities inherent in the mind and body. It offers the potential to create in every student a sense of personal, historical, and cultural identity, leading to a breadth of understanding that offers possibilities in all phases of life.

### Distribution of Requirements

A total of 38 credits is necessary to complete the Minot State University GER. These classes are identified in the term schedule of classes with an asterisk. These credits must be distributed throughout the curriculum in a prescribed manner.

### General Education Inventory

#### GE1. COMMUNICATIONS (9 cr)

- Each of the following three courses is required:
- COMM 110 Fundamentals of Public Speaking (3)
- ENGL 110 College Composition I (3)
- ENGL 120 College Composition II (3)

#### GE2. HISTORY (3 cr)

- HIST 101 Western Civilization I (3)
- HIST 102 Western Civilization II (3)
- HIST 103 US History to 1877 (3)
- HIST 104 US History from 1877 (3)
- HIST 212 World Civilizations since 1500 (3)

#### GE3. HUMANITIES (6 cr)

- ART 110 Intro to Art (2)

ART 210 Art History I (3)  
ART 211 Art History II (3)  
ENGL 220 Intro to Literature (3)  
ENGL 225 Intro to Film (3)  
ENGL 231 Bible as Literature (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)  
HUM 251 Humanities (3)  
HUM 252 Humanities (3)  
HUM 253 Humanities (3)  
HUM 254 Non-Western Humanities (3)  
FREN 101 Begin French I (4)  
FREN 102 Begin French II (4)  
FREN 201 Intermediate French I (4)  
FREN 202 Intermediate French II (4)  
GERM 101 Begin German I (4)  
GERM 102 Begin German II (4)  
GERM 201 Intermediate German I (4)  
GERM 202 Intermediate German II (4)  
SPAN 101 Begin Spanish I (4)  
SPAN 102 Begin Spanish II (4)  
SPAN 201 Intermediate Spanish I (4)  
SPAN 202 Intermediate Spanish II (4)  
MUSC 100 Music Appreciation (3)  
MUSC 201 World Music (3)  
MUSC 205 Hist of U.S. thru Music (3)  
PHIL 101 Intro to Philosophy (3)  
PHIL 102 Phil of Human Nature (3)  
THEA 110 Intro to Theatre Arts (3)

**GE4. WELLNESS/PERSONAL DEVELOPMENT (2 cr)**

HPER 100 Concepts of Fitness & Wellness (2)  
HPER 101 Dance (1)  
HPER 105 Outdoor Activities (1)  
HPER 110 Begin Swimming (1)  
HPER 120 Weight Training (1)  
HPER 125 Intermediate Swimming (1)  
HPER 126 Aerobics (1)  
HPER 127 Adv Hunter Education (1)  
HMS 151 Stress Management (2)  
ART 101 Intro to Studio Art (2)  
ART 112 Computer Graphics (2)  
ART 122 Two-Dimensional Design (2)  
ART 140 Crafts (2)  
ART 204 Jewelry I (2)  
ART 250 Ceramics I (2)  
ART 280 Photography I (2)  
MUSC 120 Concert Choir (1)  
MUSC 150 Orchestra (1)  
MUSC 160 Concert Band (1)

**GE5. MATHEMATICS (4 cr)**

MATH 103 College Algebra (4)

MATH 104 Finite Math (4)  
MATH 107 Precalculus (4)  
MATH 146 Applied Calculus (3)  
MATH 165 Calculus I (4)

**GE6. SCIENCE (8 cr)**

BIOL 111 Concepts of Biology (4)  
BIOL 115 Human Structure and Function (4)  
BIOL 142 Genl Micro Biol (4)  
BIOL 150 General Biol I: Intro to Cellular Biology (4)  
BIOL 151 General Biol II: Intro to Zoology (4)  
BIOL 154 General Biology III: Intro to Botany (4)  
BIOL 221 Anat and Physiology II (4)  
CHEM 115/115L Introductory Chemistry (4)  
CHEM 121/121L General Chemistry I (5)  
CHEM 122/122L General Chemistry II (5)  
GEOL 101 Environ Geology (4)  
GEOL 105 Physical Geology (4)  
GEOL 106 Historical Geology (4)  
PHYS 105 Physical Science by Inquiry (4)  
PHYS 110 Astronomy (4)  
PHYS 203 Intro to Phys I (4)  
PHYS 204 Intro to Phys II (4)  
PHYS 221 General Physics I (5)  
PHYS 222 General Physics II (5)

**GE7. SOCIAL SCIENCE (6 cr)**

PSY 111 Intro to Psychology (3)  
ECON 201 Princ of Microeconomics (3)  
ECON 202 Princ of Macroeconomics (3)  
GEOG 110 Principles (3)  
GEOG 161 World Regional (3)  
SOC 101 Intro to Sociology (3)  
SOC 210 Intro to Anthropology (3)  
POLS 115 American Government (3)  
SWK 256 Development of Social Welfare (3)

**Completing the Requirements**

There are several ways in which students may complete the General Education Requirements (GER):

1. Successfully complete the 38-credit GER as specified above.
2. Successfully pass AP/CLEP or department exams (inquire at the Records Office for the current list) for some of the courses in the above inventory.
3. Successfully complete approved, letter-graded, correspondence, or on-line courses offered through the Center for Extended Learning (a maximum of 16 correspondence credits may be applied toward the degree).
4. Successfully complete the GER of another institution under the terms of the North Dakota University System General Education Transfer Agreement (see below).

**North Dakota University System (NDUS)  
General Education Transfer Agreement**

The NDUS Transfer Agreement was developed to assist students who transfer within the eleven NDUS campuses. Students who have completed the lower division GER at one campus are deemed to have completed them at another. Students who have not completed GER prior to transfer will find that their general education course work taken at one NDUS campus will be

acceptable as general education course work at another, although some redistribution of courses may result.

Students transferring into Minot State University should contact the Registrar at the former campus to have verification of GER completion forwarded to the Records Office at Minot State University. Students transferring out of Minot State University should either complete the Minot State University GER or take courses in the Minot State University general education inventory that are marked for transfer (e.g. ND:ENGL, ND:FA, ND:LABSC). Please direct questions about the Transfer Agreement to the Records Office.

- I.COMMUNICATION** (9 credits: 6 credits of English and 3 of Speech). Any NDUS course marked **ND:ENGL** may apply to the 6-credit English requirement, and any marked **ND:SPEECH** may apply to the Speech requirement.
- II.HISTORY** (3 credits). Any NDUS course marked **ND:HIST**.
- III.HUMANITIES** (6 credits). Any NDUS course marked **ND:HUM**.
- IV.WELLNESS** (2 credits). Any NDUS course marked **ND:FA**.
- V.MATHEMATICS** (4 credits). Any NDUS course marked **ND:MATH** which is at the level of college algebra or above.
- VI.SCIENCE** (8 credits). Any NDUS course marked **ND:LABSC**.
- VII.SOCIAL SCIENCE** (6 credits). Any NDUS course marked **ND:SS**.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Major Requirements

#### Declaring or Changing a Major

Refer to the academic programs offered on pages 9-10 for the complete listing of majors, minors, and concentrations offered at Minot State University.

Students indicate on the application for admission the major or majors in which they are interested. Students undecided as to a field of interest may elect a General College major while making program and career decisions. Students must declare a major in a degree-granting program by the time they have obtained upper-division status (greater than 60 credits).

Students must complete at least one major in order to earn any Minot State University baccalaureate degree other than a Bachelor of General Studies (BGS) Degree. BGS students do not declare majors, minors, or concentrations. Bachelor of Arts degree recipients, however, often pursue two majors in order to complete degree requirements.

Students may declare or change majors by obtaining the proper approval on the Change of Major Form available from the department or division office that oversees the intended major.

#### Credits Required for a Major

In general, students in a bachelor degree program must complete a minimum of 36 credits in the major, although this may vary considerably across programs. At least 12 of the credits required for the major must be completed in residence at Minot State University.

Students may not earn a major without also earning or holding a Minot State University degree.

Students may elect to earn a single degree with more than one major. Students may complete a double major (two majors) or any number of majors. All requirements for the majors must be completed even though students will receive a single degree such as a Bachelor of Arts with majors in English and History. (If a bachelor's degree is the objective, it is only necessary to complete the number of credits required for a single major.)

#### Credit Overlap

Courses that are used to meet the requirements in one major or minor may also be used to meet requirements in other majors or minors.

#### Grade Point Average Requirement

A minimum grade point average of 2.00 is required for the major(s). Some programs of study have higher minimum grade point average expectations.





Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Minor Requirements

A minor is the completion within an area of specialization of a group of courses in a field other than the major. Minors may be earned in fields unrelated to students' majors or they may be complementary or supportive of majors. Minors may be used to fulfill career needs or to facilitate in-depth investigation in a discipline of secondary interest.

### Declaring or Changing a Minor

Any student may elect to earn one or more minors; however, Bachelor of Arts degree recipients often pursue at least one minor in order to complete degree requirements.

Students should discuss intentions to pursue the minor(s) with their advisors and with the effected department(s). Students may declare or change their minors by obtaining the proper approval on the Change of Major Form available from the department or division office that oversees the major.

A notation recognizing the fulfillment of the requirements for the minor(s) will be posted on the student's permanent academic record at the time of graduation.

### Teaching Minors

Teaching minors are separate entities from degree minors. Requirements for teaching minors are listed with the curricular plans in each department that offers one. A teaching minor must be attached to a teaching major. Refer also to the College of Education and Health Sciences section of this catalog.

### Credits Required for a Minor

Courses required for the minor are specified by each discipline that offers one. Although the actual number of credits required to complete a minor will vary by discipline, a minimum of 18 credits is standard. At least six of the credits required for the minor must be completed in residence at Minot State University.

Students may not earn a minor without also earning or holding a Minot State University degree.

### Credit Overlap

Courses that are used to meet the requirements in one major or minor may also be used to meet requirements in other majors or minors.

### Grade Point Average Requirement

A minimum grade point average of 2.00 is required for the minor(s). Some programs of study have higher minimum grade point average expectations. Refer to "Additional Degree Requirements" in this section of this catalog.





Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Concentration Requirements

A concentration is similar in concept to the minor but requires fewer credits for completion. Concentrations may be earned in fields unrelated to students' majors or they may be complementary or supportive of majors.

### Pursuing a Concentration

Any student may elect to earn one or more concentrations; however, Bachelor of Arts degree recipients must pursue at least one concentration outside the division/department in order to complete degree requirements. The student should discuss intentions to pursue a concentration with his/her advisor.

### Credits Required for a Concentration

Courses required for the concentration are specified by each discipline that offers one. Although the actual number of credits required to complete a concentration will vary by discipline, a minimum of nine credits has been established by the faculty for this purpose. Concentrations are not recorded on a student's transcript.

### Grade Point Average Requirement

A minimum grade point average of 2.00 is required for the concentration(s). Some programs of study have higher minimum grade point average expectations. Refer to "Additional Degree Requirements" in this section of this catalog.



**Be seen. Be heard.**

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

### **Certificate Program Requirements**

Certificate Programs consist of at least 16 semester hours of coursework and typically include few general education courses. At least half of the semester hours must be earned through Minot State University. Completion of a Certificate Program can be annotated on an academic transcript; however, Certificate Programs will not be recognized at commencement ceremonies.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



**Be seen. Be heard.**

## Undergraduate Catalog

Colleges & Catalogs

Course Descriptions

2004-06 Addendum

Introduction

Degree Offerings

Special Programs

Academic Information

Admissions

Advising & Orientation

Extended Learning

Financial Information

Administration & Faculty

### **Certificate of Completion Requirements**

A Certificate of Completion is awarded for an undergraduate course of study with no less than 18 semester hours. Certificates of Completion can be annotated on an academic transcript; however, Certificate Programs will not be recognized at commencement ceremonies.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS



<b>1. Communications</b>	<b>9 credits</b>	<b>Credit</b>
1. _____		_____
2. _____		_____
3. _____		_____
<b>2. History</b>	<b>3 credits</b>	<b>Credit</b>
1. _____		_____
<b>3. Humanities</b>	<b>6 credits</b>	<b>Credit</b>
1. _____		_____
2. _____		_____
<b>4. Wellness/Personal Development</b>	<b>2 credits</b>	<b>Credit</b>
1. _____		_____
2. _____		_____
<b>5. Mathematics</b>	<b>4 credits</b>	<b>Credit</b>
1. _____		_____
<b>6. Science</b>	<b>8 credits</b>	<b>Credit</b>
1. _____		_____
2. _____		_____
<b>7. Social Science</b>	<b>6 credits</b>	<b>Credit</b>
1. _____		_____
2. _____		_____
	<b>Total</b>	<b><u>38 credits</u></b>

North Dakota University System (NDUS) General Education Transfer Agreement: The NDUS Transfer Agreement was developed to assist students who transfer within the eleven NDUS campuses. Students who have completed the General Education Program at one campus are deemed to have completed them at MSU.

For students who have not completed the General Education Program in transfer, the MSU Records Office will determine those credits which may be applied to the University's General Education Requirements and issue a transcript summary to the student.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### General Application Procedures

Prospective students should consult the University calendar in the term schedule for opening dates of each term. Currently, there is no mandatory application deadline; however, it is suggested that all students planning to enter the University for the fall term apply by April 1 of the preceding spring. Students planning to enter during subsequent terms should apply at least one month in advance.

To apply for admission, students must submit:

- a completed admission application
- a \$35 non-refundable application fee
- proof of two immunizations for measles, mumps, and rubella
- ACT or SAT scores (for all U.S. and Canadian new students and transfer students who are less than 25 years of age on the first day of class and who have less than 24 semester transfer credits)
- official transcripts (all final high school, GED, or college/university transcripts)
- College Preparatory Course Report Form (for first year students and transfer students with a high school graduation date of 1993 to present.)

**Admission** begins by submitting an admission application and the corresponding \$35 fee to the Records Office. Other required items may be submitted at later dates as they become available. All materials should be on file prior to the student's registration. The \$35 application fee is mandatory and nonrefundable. A letter will then be sent to the prospective student advising of a full, conditional, or denied admission status. Students must be fully admitted before financial aid will be distributed. Eligible students will receive subsequent correspondence directing them to the date, place, and time for orientation/registration activities.

**Health Record/Proof of Two Immunizations** for measles, mumps, and rubella (MMR) is required by the State Board of Higher Education. Upon the student's request, such records are sometimes available through the student's high school (or college for transfer students) and can be sent to the University along with the student's high school (college) transcript. Proof of immunization for measles, mumps, and rubella requires: 1) two doses of vaccine given no less than one month apart, or 2) positive serologic tests, or 3) proof that date of birth is prior to 1957. No student will be fully admitted without a completed immunization record form.

**ACT scores** should be sent to the University directly from the ACT office in Iowa City, Iowa. A student specifies the schools to which he/she wants scores sent at the time of writing the ACT exam. Subsequent requests may be made by contacting ACT Records, P.O. Box 451, Iowa City, IA 52243, (319)337-1313.

While ACT scores are not routinely used to determine a student's acceptance for enrollment, the scores must be submitted as a part of the admission process. Scores are used to assist students

and their academic advisors in making good academic planning decisions. Scores are also used in making admissions decisions for first year students (freshmen) who have not completed the required high school core curriculum. Students who are unable to write the ACT exam prior to enrollment may be conditionally accepted for one term, provided that the ACT is written during that first term of enrollment. Those who fail to take the ACT exam prior to the end of the first term of enrollment will be placed on admissions hold and will not be allowed to continue at the University until the requirement is met. While the ACT is preferred, the University will accept SAT scores as an alternative. SAT scores: SAT College Board ATP, P.O. Box 6200, Princeton, NJ 08541, (609) 771-7600.

**An official high school transcript** records all work completed from grades 9-12 as well as the official date of high school graduation. **This transcript must be sent directly from the high school to the Records Office and must be received by the 12th day of class or registration will be cancelled.** A student may start the admissions process by submitting the application and \$35 fee. Full admission status is contingent upon receipt of the final, official transcript, sent when it becomes available.

**Students who hold a GED** (General Education Development— high school equivalency certificate), rather than a high school diploma, must submit photocopies of their GED scores and certificates. For admission purposes GED scores must average = 450 overall with no score lower than 400 on any of the subparts. Students generally may not take the GED until they are at least 18 years of age and their high school class has graduated. High school transcripts are also required and will be reviewed by the Admissions Appeal Committee in determining admission of students who have earned a GED instead of a high school diploma.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum  
  
Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Freshman Admission Requirements

In addition to completing the admissions process outlined earlier, a new first year student (freshman) must be a high school graduate who has met the "core requirements" or holds a GED.

### High School Core Admission Requirements

North Dakota State Board of Higher Education policy requires that all students who completed their high school studies in the United States in 1993 to present, must have completed the following high school courses before being permitted to enter Minot State University:

#### English (4 units\*)

Including the development of written and oral communication skills.

#### Laboratory Science (3 units)

Including at least one unit each in two or more of the following: biology, chemistry, physics, or physical science.

#### Mathematics (3 units)

Algebra 1 and above. Excluding business, consumer, and general mathematics.

#### Social Studies (3 units)

Excluding consumer education, cooperative marketing, orientation to social science, and marriage/family.

\*A unit typically represents one year of study.

Students who are deficient in any of the areas noted above should contact the Records Office for advice regarding how to proceed. In some cases, exceptions to the above policy may be granted by the Admission Appeals Committee. Minot State University policy allows for a limited number of high school graduates or GED applicants to be admitted if they are lacking no more than two of the required courses and:

- have an ACT composite score = 19;  
or
- have a cumulative high school grade point average (GPA) = 2.75;

Students who have not had the required courses are encouraged to enroll in any of North Dakota's two-year colleges, which include: Bismarck State College, North Dakota State College of Science, MSU-Bottineau, Lake Region State College, and Williston State College. Upon successful completion of 24 transferable credits at these campuses, students are eligible for admission to a four-year university. Such transfer students are exempt from the high school core course requirements.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

### Transfer Admission Requirements

Transfer students must submit an official transcript sent directly to the Records Office from each college/university previously attended.

Transfer students with less than 24 semester/36 quarter credits must also submit high school transcripts and ACT/SAT scores. Upon receipt of all transcripts, the Records Office determines those credits that will transfer as well as those credits that may be applied to the University's General Education Requirements. Plus or minus grades are not recorded. Evaluation of credits as they apply specifically to the student's major is done in consultation with the department/division chair at the time of the student's registration for his/her first term at Minot State University. Students enrolling at Minot State University with the intention of transferring to another institution to complete their educational objectives are advised to work closely with the transfer campus as soon as possible to determine which courses will transfer most effectively. Faxed copies of transcripts are not considered official.

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

Students who have attended other regionally accredited colleges or universities will be admitted without restriction to Minot State University if they left the last transfer institution in good academic standing and if their college/university cumulative grade point average meets the Academic Progress standards outlined in this catalog. Failure to list all colleges, universities, and schools previously attended may result in denial of admission, dismissal, loss of credits, or other appropriate sanctions.

### Regionally Accredited Agencies

**IACBE** International Association of Colleges of Business Educator

**MSA** Middle States Association of Colleges and Schools

**NASC** The Northwest Central Association of Schools and Colleges

**NCA** North Central Association of Colleges and Schools

**NEASC-CIHE** New England Association of Schools and Colleges, Inc./Commission on Institutions of Higher Education

**SACS-CC** Southern Association of Colleges and Schools/Commission on Colleges

**WASC-Jr.** Western Association of Schools and Colleges/Accrediting Commission for Community and Junior Colleges

**WASC-Sr.** Western Association of Schools and Colleges/Accrediting Commission for Senior Colleges and Universities

If the transfer average is below that required, the student may be admitted on Academic Probation and conditions may be placed on their registration until the minimum cumulative grade point average requirement has been achieved.

If a transfer average has resulted in the student's academic suspension from another college or university, the student may be admitted on Academic Probation at Minot State but only if the

student has sat out of studies at any institution of higher education for a period of at least one term following a first suspension.

#### **Limitations On Transfer Credit**

##### **CONTINUING EDUCATION CREDIT**

Credits earned through continuing education opportunities on other campuses may be transferable. However, documentation must be provided to the Records Office prior to their acceptance.

##### **GRADUATE CREDIT**

A student may not apply transfer graduate credit toward requirements for a baccalaureate degree at Minot State University.

##### **MILITARY CREDIT**

Basic training courses are accepted for physical education courses to meet the University General Education Requirements for wellness.

##### **RELIGION COURSE CREDIT**

No more than six semester credits in doctrinal religion will be accepted in transfer. Doctrinal religion courses that are accepted can be used as electives only.

##### **CREDIT FROM TWO-YEAR INSTITUTIONS**

In order to be awarded a degree from Minot State University, a student must earn a minimum of 60 semester credits at a four-year institution, of which 30 credits must be earned in residence at Minot State.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### International Student Admission Requirements

A selective admission process that includes consideration of English language proficiency, academic achievements, financial resources, and student visa status determines admission of undergraduate international students. For information specific to graduate students, refer to the graduate catalog or contact the Graduate School.

There is no deadline for applications; however, it is suggested that applications be completed by July 15 for the fall semester and November 1 for spring semester.

### Language

Students from non-English speaking countries must give evidence of proficiency in English. Such students should arrange to take the Test of English as a Foreign Language (TOEFL). An undergraduate passing score on the examination is 525 for the written exam and 195 for the computer based exam. Students may also demonstrate proficiency in the English language by obtaining a "C" grade or better in a comparable English as a second language course. Requests for information on TOEFL test procedures and registrations should be directed to: Test of English as a Foreign Language, P.O. Box 899, Princeton, New Jersey 08540.

### Academic Achievement

Applicants are required to furnish an original or certified copy of an official academic record from all secondary schools and all colleges, universities, and professional schools attended. The academic record must show all marks or grades received in each subject for each school year and any certificates, diplomas, or degrees awarded, including all subjects passed and grades or marks earned on government or university examinations. If the record is not in English, a certified literal translation must be sent in addition to the official document. Undergraduate students transferring from U.S. colleges or universities should have a cumulative grade point average of 2.0 or higher on a 4.0 scale.

Any academic course work accepted for transfer by the university is subject to departmental approval to meet major requirements. Evaluation of transfer credit normally will not be complete until the applicant has arrived on campus and enrolled. Applicants seeking transfer credits for higher education work completed outside the United States may be asked to bring with them a detailed syllabus for each course. All international students currently studying in the United States must submit the supplemental information form as part of the application. This form is to be completed by the applicant and the applicant's present or most recent international student adviser.

The appropriate school authority that issued the original academic record should make a photocopy of the applicant's papers and certify that it is a true copy by placing the institution's stamp or seal and the official's signature on the photocopy. Copies of transcripts issued by one institution but certified by another institution will not be accepted from abroad.

### **Financial Resources**

Certification of adequate financial support is required of all international undergraduate applicants, other than permanent residents of the U.S., parolees, refugees, U.S. trust territory applicants, or immigrants. Admission will be granted when proof of funds has been submitted. Failure to submit supporting documents will delay admission and the issuance of the appropriate immigration forms. The student must be prepared to document annually the ability to pay the following years tuition and fees as well as cost of living expenses.

The North Dakota State Board of Higher Education requires all students who are not citizens or permanent residents of the United States or Canada to demonstrate health insurance coverage for themselves and all accompanying dependents. Students who demonstrate proof of a comparable insurance with a U.S. vendor or from a country with a mandatory health insurance plan comparable to the plan required by this policy may request an exemption. All exemptions will be handled through a waiver procedure through the Student Affairs Office. The plan must be purchased on or before the date of registration for classes and at the beginning of each subsequent year.

### **Student Visa Status**

The SEVIS I-20 is the immigration document for F-1 students and their dependents. The International Students Office will issue the SEVIS form I-20 to international students who meet the entrance requirements. The SEVIS I-20 is first endorsed at the time it is issued and then must be re-endorsed at the end of each semester by the International Student Coordinator in the International Students Office. These signatures confirm full time student status and enable F-1 students and their dependents to enter and leave the country. The SEVIS I-20 should be left with the International Student Office for signing/verification and signatures at least 24 hours prior to departing the United States.

Students must be making satisfactory academic progress toward their major field in order to have their SEVIS I-20 endorsed each semester. Academic progress means that the student must be taking course work that will satisfy their declared degree requirements and maintain a satisfactory GPA. Students who fail to meet these requirements are not eligible to have their SEVIS I-20 re-endorsed.

International and Canadian students must notify the International Students Office within ten days of any changes in major, name, address, or dependent status. A new I-20 will need to be created and endorsed in order for the student to remain in status at Minot State University.

The Bureau of Citizenship and Immigration Services (BCIS) limits work opportunities for international students. Under certain circumstances, international students may obtain a work authorization or secure off campus employment. Contact the International Student Coordinator for detailed information about such prospects before accepting any employment.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Special Admissions

- [Former Students](#)
- [Auditing Students](#)
- [Home Educated Students](#)
- [Military Students](#)
- [Dual Credit/Dual Enrollment](#)
- [Undergraduate Non-Degree Students](#)
- [Undergraduate Special Students](#)
- [University Employees as Students](#)

#### Former Students

Students who have previously attended Minot State University but are not currently enrolled are classified as former students. To re-enroll, former students should contact the Records Office to make arrangements for registration. It is not necessary to complete a new admission application. Students who have attended other colleges since attending Minot State need to submit official transcripts. The Records Office should be contacted as early as possible so that former students may be invited to participate in early registration. A one month notice is minimal.

#### Auditing Students

An auditor is one who attends class as a listener without the privilege of participating in any way in the regular class work. An auditor may participate in class activities at the discretion of the instructor. No credit is awarded for an audited course, and an auditor may not later establish credit in that course by taking a special examination. A student may change his/her status in a course from "credit" to "audit" or vice versa up through the final drop date of the term. This must be done on the proper form available at the Records Office. An auditor must meet University entrance requirements and follow all standard admissions procedures and complete a special audit form available at the Records Office. An auditor pays 50% of the regular, per credit tuition charge for the course. No financial aid will be awarded for courses that are audited.

#### Home Educated Students

The following guidelines for specific home educated admission policies are patterned after the recommended criteria suggested by the National Center for Home Education.

Home Education applicants to Minot State University shall submit, in addition to the application for admission, application fee, and immunization records:

1. Curriculum description or transcript showing the following:
  1. Specific listing of classes completed by the student, identified and/or separated by class levels. An institution may request a course syllabus or detailed description of course content.
  2. Clear identification of those courses which meet the North Dakota University System College Preparatory Requirements.

3. Key explaining grading system and successful completion of coursework.
  4. Date of student's graduation/completion of plan of study.
  5. Signature of the parent/instructor.
  6. Identification of any other private or public high school the student has attended.
2. Diploma/Certificate issued by the local school district in which the student resides if the district provides such a document.

## **Military Students**

### **General**

Minot State University has been designated as an institutional member of Service members Opportunity Colleges (SOC), a group of more than 400 colleges and universities providing voluntary postsecondary education to members of the military throughout the world. As a SOC member, Minot State recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credits. Service members Opportunity College has been developed jointly by educational representatives of each of the Armed Services, the Office of the Secretary of Defense, and a consortium of thirteen leading national higher education associations. It is sponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Community and Junior Colleges (AACJC).

### **Base Education Services Office**

The Air Force maintains an Education Services Office at Minot Air Force Base. The University provides a coordinator at this base office. The coordinator will assist the Air Force personnel and their families in planning academic programs, selecting courses, completing financial aid procedures, and registration. All military personnel are encouraged to contact the Base Education Services Office for information and assistance relative to academic programs. Military personnel, their spouses, and dependents are considered resident students for tuition purposes.

**Admission and Registration**-Active duty military personnel and their spouses will follow the application procedure as detailed on pages 26-27.

### **Evaluation of Educational Experiences of Military Personnel**

Service personnel currently on active duty who have acquired certain educational experiences, or have attended service schools, or have passed college CLEP tests can have these evaluated for transfer credit. Minot State University accepts the following towards a bachelor's degree:

1. Military service courses are given credit as recommended in the Guide to the Evaluation of Educational Experiences in the Armed Services published by the American Council on Education (ACE).
2. The College Level Examination Program (CLEP) tests are accepted in some areas. Check with the Records Office for the current CLEP Policy, as it is subject to revision. (See also "Credit by Examination.")

### **Dual Credit/Dual Enrollment**

This program provides an opportunity for outstanding high school juniors and seniors to take first year student (freshman) courses for university credit at Minot State University before graduation from high school. Students must follow first year student (freshman) admission procedures.

With approval from their high school principal or superintendent, students may earn high school and college credit for the same course. Dual credit option forms are available at both the Records Office and at local high schools. Persons in this program are strictly high school students retaining high school eligibility. They may participate in University functions/activities, and have computer and library privileges.

### **Undergraduate Non-Degree Students**

Students who enroll in courses but do not wish to seek a degree may enroll as Undergraduate Non-Degree students. Students enrolling with this status are not eligible for federal financial aid and may not exceed a total of 12 semester hours of credit as Undergraduate Non-Degree students. Non-Degree students are not required to provide high school or college transcripts, GED, or ACT test results. However, students must complete the ND University System Application for Admission and pay the \$35 application fee and provide a record of immunization for measles, mumps, and rubella. Enrollment in courses beyond 12 semester hours will be contingent upon completion of all entrance requirements for first year students (freshmen) or transfer students. Students enrolling in upper-level coursework that have pre-requisites may be asked to provide a copy of a college transcript or to seek departmental approval prior to enrollment.

### **Undergraduate Special Students**

Students who have already earned a bachelor's degree from Minot State University or from another college or university may be admitted as a special student. Undergraduate special students are permitted to take undergraduate coursework in order to obtain another degree, major, or complete teacher education certification. If they have not attended Minot State University previously, they are required to follow the transfer admission procedures.

### **University Employees as Students**

Employees of Minot State University who have obtained initial approval from their supervisor are entitled to have tuition and activity fees waived for up to three classes per calendar year. The technology fee is not waived and must be paid by the employee within the first two weeks of the semester. Distance Education courses are excluded from this waiver.



Be seen. Be heard.

## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Tuition and Fees

The academic year is divided into two semesters (fall and spring) of sixteen weeks each. In addition, there is an annual summer semester of eight weeks. The cost of tuition and fees is as follows (amounts listed are actual for 2003-2004; amounts subject to change without notice):

### Cost of Tuition and Fees

(per semester, full time on-campus, 12 credit cap)

Undergraduate (full-time, per semester)	
Resident	\$1,614.00
Contiguous States and Provinces	\$1,955.25
*Minnesota Reciprocity	\$1,811.50
WUE/MHEC	\$2,296.50
Non-Resident	\$3,893.50

Graduate (full-time, per semester)	
Resident	\$2,055.00
Contiguous States and Provinces	\$2,958.00
Minnesota Reciprocity	\$2,638.00
MHEC	\$2,958.00
Non-Resident	\$5,071.00

All students are encouraged to complete an institutional scholarship and awards program application.

Tuition and fees are due and payable in full at the beginning of each semester.

The tuition and fees listed above are for on-campus courses. The tuition and fees charged for most on-campus course cap at 12 credits. Distance Education courses do not cap at 12 credits, charges are calculated on all credits. Also, in addition to the tuition and fees listed above all distance education courses will be charged an additional fee. An access fee is a per credit tuition charge to a student to cover the added costs associated with delivery of a course.

### Residency

Nonresident and resident student for tuition purposes defined.

1. A "nonresident student" for tuition purposes means any student other than a resident student.
2. A "resident student" for tuition purposes means:
  1. A person whose guardian, custodial parent, or parents are legal residents of

- this state and have resided in this state for twelve months, or a dependent child whose custodial parent moved into the state with the intent to establish legal residency for a period of years within the past twelve months immediately prior to the beginning of the academic term;
2. A person of age eighteen or over who is a legal resident of this state and has resided in this state after reaching age eighteen for twelve months immediately prior to the beginning of the academic term;
  3. A person who graduated from a North Dakota high school;
  4. A full-time active duty member of the armed forces assigned to a military installation in this state;
  5. A spouse or dependent of a full-time active duty member of the armed forces assigned to a military installation in this state or of an employee of any institution of higher education in this state, and a spouse of any other resident for tuition purposes; and
  6. A person who was a legal resident of this state for at least three consecutive years within six years of the beginning of the academic term.
3. Legal residence in the State of North Dakota includes, but is not necessarily limited to the following responsibilities and rights:
1. To vote in general or special elections in the State after 30 days of residence in the precinct (and assuming U.S. citizenship).
  2. To obtain a North Dakota driver's license before operating any motor vehicle in this State after more than 60 days of residency. See NDCC Section 39-06-02
  3. To file a North Dakota resident's income tax return with the State Tax Department reporting any income derived from within this State.
  4. To obtain a North Dakota resident game or fishing license after six months of residency in the State.
4. A temporary absence from the state for vacation or other special or temporary purposes may not be considered an abandonment of residency in this state, provided a residence is maintained in this state during the temporary absence. However, a student who leaves the state and resides in another state for a period of months is not considered a resident of this state during those months if the student does not maintain a place of residence in this state during the student's absence.
5. International Students  
To qualify as a North Dakota resident, international students who are not refugees must have an Alien Registration Receipt Card (green card) proving permanent residency or immigrant status and must meet all other North Dakota residency requirements for tuition purposes.
6. Definitions
1. "Dependent" means only a person claimed as a dependent on the most recent federal tax return.
  2. "Member of the armed forces" means only full-time active duty members of the armed forces, and not national guard or reserve members.
  3. "Spouse" means both parties to a marriage recognized by the state of North Dakota including those subject to an order of legal separation, but not divorced persons.

Inquiries in regard to residency for tuition purposes should be directed to the MSU Business Office.

Students who are residents of South Dakota, Montana, Saskatchewan, and Manitoba are eligible for contiguous tuition. Students who are residents of Minnesota must apply and qualify for reciprocity fee status to be eligible to pay reciprocity tuition and fees. Application to the program is the responsibility of the student. Application forms can be obtained from the MSU Business Office or from the Minnesota Higher Education Coordinating Board or at [www.mhesa.state.mn.us](http://www.mhesa.state.mn.us). Inquiries in regard to which states participate in the Western Undergraduate Exchange Program (WUE) and Midwest Regional Higher Education Compact (MHEC) should be directed to the MSU Records Office.

### **Refunds of Tuition and Fees**

#### **Refunds on Class Changes**

Any student who drops a class during the first seven instructional class days of a term will receive a 100% refund of tuition and fees for the credit hours attributable to the class or classes dropped.

After the first seven instructional class days of a term, there will be no refund for a class which is dropped. However, classes of the same or fewer credits may be substituted when added prior to the published deadline for the dropped class at no additional tuition and fee charge. If added classes results in an increase in credit hours, or if an added class requires special course fees, the institution will charge the student for the additional credits and any special course fee.

### **Refunds for Officially Withdrawing Students**

Any student who withdraws from MSU will receive a refund of tuition and fees according to the schedule below. Tuition and fees will be refunded based on the percentage which coincides with the instructional class day of the term in which the student formally withdraws.

Through seventh class day	100%
Eighth through tenth class day	90%
Third week	80%
Fourth week	75%
Fifth week	70%
Sixth week	65%
Seventh week	60%
Eighth week	50%
Ninth week	45%
Tenth week	40%
After tenth week	No refund

Refunds are calculated from the day classes commence to the date of application in writing and not from the date of last attendance at classes.

### **Fees**

The tuition and fees listed on the previous page include the student activity fee, technology fee and the ConnectND fee. These fees are charged to all students. The tuition and fees listed exclude additional fees such as distance education access fee, special course fees to cover added and unique costs of the course, program fees for nursing and clinical lab science, parking permits, etc. These fees are not charged to all students.



Be seen. Be heard.

## Undergraduate Catalog

Colleges & Catalogs  
Course Descriptions  
2004-06 Addendum

Introduction  
Degree Offerings  
Special Programs  
Academic Information  
Admissions  
Advising & Orientation  
Extended Learning  
Financial Information  
Administration & Faculty

CURRENT STUDENTS

FUTURE STUDENTS

ALUMNI & FRIENDS

### Financial Aid

#### [General Information](#)

#### [Types of Financial Aid](#)

Financial aid is available to students, who without such help would be unable to attend Minot State University. The primary responsibility for financing a college education rests with the student and his/her family. Financial aid should be used as a supplement to family support.

The Financial Aid Office reserves the right to the final determination regarding the type(s) and amount of aid awarded to students. Awards are based upon an evaluation of the student's eligibility as determined by the needs analysis FAFSA form and the availability of funds.

#### Who May Apply

Students applying for financial aid must:

1. Be a U.S. Citizen or an eligible noncitizen.
2. Be enrolled and fully accepted for enrollment in a degree granting program.
3. Maintain satisfactory progress toward completion of a course of study.
4. Not be in default on any Federal Family Education Loan Program (FFELP).
5. Not owe a repayment of any grant funds previously received.

#### How to Apply

New students applying for financial aid must complete a Free Application for Federal Student Aid (FAFSA). When completing the FAFSA, applicants must list Minot State University as a college they plan to attend. (Code number 002994.)

All students (including first-year students, returning and transfer students) may complete the FAFSA online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).

Students applying for financial aid for the summer term will also be required to complete an institutional financial aid application. Summer financial aid applications are available at the financial aid office or online at [www.minotstateu.edu](http://www.minotstateu.edu).

#### When to Apply

To receive priority consideration for financial aid, MSU must receive the results of the student's FAFSA and the student's application for admission by March 15. Students should plan to file the FAFSA online by March 1 to meet the priority deadline. Students who meet the priority deadline will receive consideration for the campus based aid programs. (Federal Supplement Educational Opportunity Grants, Federal Perkins Loans, and Federal Work Study) as well as the Federal Pell Grant and Federal Stafford Loan Programs. Applications for financial aid will be accepted after March 15, but funding may be limited to the Federal Pell Grant and Federal loan programs.

CAUTION: Students completing the FAFSA incorrectly or omitting necessary information may be required to resubmit the FAFSA. This will cause a delay in determining a student's eligibility and may cause students to miss the priority funding date.

### **How Financial Aid is Awarded**

Financial aid awards are based on need and the availability of funds. Need is defined as the difference between the estimated cost of education as determined by the University, and the expected family contribution as determined by the FAFSA. A need exists if the expected family contribution is less than the estimated cost of education.

The estimated cost of education includes costs recognized by the federal government as necessary for a student to pursue an education. The estimated cost of education includes: tuition, fees, books, board, room, transportation, and other miscellaneous personal expenses. The expected family contribution formula considers:

1. Income of the student, spouse, and/or parent.
2. Assets of the student, spouse, and/or parent.
3. Family size.
4. Number of family members enrolled in college.
5. Age of the student, spouse, or parents.

Every effort is made to provide adequate funding to meet the student's educational costs. To view our actual cost of attendance visit our web site at [www.minotstateu.edu](http://www.minotstateu.edu).

### **How Financial Aid is Disbursed**

Financial aid funds will be disbursed on or after the eighth day of classes via direct crediting.

Direct crediting is the process of electronically applying financial aid funds directly toward student charges. Charges may include tuition, fees, books, and room and board. All loans, grants, and scholarships processed by the institution will be electronically credited.

Students whose charges are less than the financial aid received are encouraged to have the excess financial aid direct deposited into his or her bank account. If a student does not complete a direct deposit request, he or she will receive the excess aid in the form of a check that may be picked up at the Business Office.

### **Policies and Procedures**

#### **Financial Aid Satisfactory Progress**

Federal regulations require institutions participating in federal financial aid programs to measure a student's progress toward earning a degree. To be eligible to receive financial aid, students must meet all of the institution admissions requirements, be admitted into a degree granting program and must meet the following minimum standards:

1. Academic standard (qualitative). By the end of the second academic year (4 semesters) students must have a 2.0 cumulative grade point average. All other students must meet the University's minimum academic standards.
2. Rate of progress standards (quantitative). Students must complete two-thirds (66%) of the cumulative credit hours attempted.

A detailed copy of MSU's satisfactory progress policy for financial aid eligibility may be obtained from the Financial Aid Office.

### **Return of Title IV Funds Policy**

Students who withdraw from school and who have received federal funds may have to repay a portion of those funds back to the federal aid programs. The portion of funds that must be returned is calculated by dividing the number of calendar days attended by the number of calendar days in the term. The return of funds will be calculated through 60% of the term, which is approximately the first 70 calendar days or approximately the first 10 weeks of the term.

Example: The term is 116 calendar days in length and the student decides to withdraw on the 21st calendar day of the term. The student has earned 18.1% of the funds received and must repay 81.9% of the funds. If the student received \$2,600 the student would have to repay \$2,129.40.

The impact this federal regulation will have on students who withdraw from school is that they will have to repay, at the time of withdrawal, a portion of the funds they received for the term of attendance.

Students who owe a repayment of funds: (1) will not be entitled to enroll in subsequent terms, (2) will not be eligible to receive additional federal funds, and (3) will have a hold put on their grade transcripts until their account is paid in full. In addition, these students may have their account reported to the U.S. Department of Education for further action.

Student who receive institutional scholarships may have to repay a portion of those funds based upon the return of funds formula.

### **Unofficial Withdrawal**

Students who fail to withdraw from school and receive all failing grades for a semester will be considered "unofficially withdrawn." These students will be placed on financial aid suspension in accordance with the Satisfactory Progress Policy and they may be required to repay a portion of the Title IV financial aid funds they received so far for that semester, in accordance with the Return of the Title IV Funds Policy.

### **Verification**

If selected for verification by the Department of Education or Minot State University, students must provide documentation to prove the accuracy of the information provided on the FAFSA. As a part of this process, students and/or parents must provide a signed copy of their Federal Income Tax Returns and other requested documentation. Financial aid may be canceled for failure to provide requested documentation within a reasonable length of time (30-45 days). Any person who intentionally makes false statements or misrepresentations on the financial aid application is violating the law and is subject to a fine or imprisonment or both, under provisions of the U.S. Criminal Code.

### **Appeal Process**

A student with special circumstances may appeal his or her financial aid status by submitting documentation explaining and verifying the special circumstance to the Financial Aid Office.

### **Access to Records**

Files containing information regarding individual students are not open to the general public under the provisions of the Family Educational Rights and Privacy Act of 1974.

### **Types of Financial Aid**

Minot State University provides four types of financial aid:

1. Grants
2. Loans
3. Employment
4. Scholarships

Grants are gifts of money that do not have to be repaid. Loans **MUST** be repaid. Employment allows a student to work and earn money to offset educational expenses. Scholarships are gifts awarded to students on the basis of academic achievement, need, or other criteria.

The financial aid programs listed below represent the major programs offered at Minot State University. Many students qualify each year for scholarships offered by private and public agencies, groups, and organizations. Students are encouraged to research other possible scholarship sources with their high school counselors, principals, library, and college deans.

## **Grants**

### **Federal Pell Grant**

The Federal Pell Grant is the largest federal aid grant program. The Federal Pell Grant is available to undergraduate students pursuing their first bachelor's degree. Students must meet the general eligibility requirements. The amount of the grant depends upon the student's need and the money appropriated by the Federal Government. The amount of the award is based on the expected family contribution (determined by the FAFSA), the estimated cost of attendance, and the student's enrollment status. A student may apply for the Federal Pell Grant by completing the FAFSA.

### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

FSEOG awards are available to undergraduate students who are eligible for a Federal Pell Grant. The deadline for priority consideration is March 15th. The FSEOG is a campus-based program and is administered by the Financial Aid Office. A student may apply for the FSEOG by completing the FAFSA.

### **North Dakota Student Incentive Grant (SSIG)**

SSIG awards aid to undergraduate students who are North Dakota residents in need of financial assistance. A student may apply for the SSIG grant by completing the FAFSA. When completing this application the student must list at least one eligible North Dakota college and give permission for the results to be sent to the State Agency. The deadline for priority consideration is March 15th. Additional information may be obtained from the Student Financial Assistance Program, Tenth Floor, State Capitol, Bismarck, ND 58505.

### **Tribal Scholarship Programs**

Individual Native American tribes administer their own Higher Education Scholarship Programs. Native American students should apply directly to their Tribal Higher Education Office on their respective tribal reservations. Early application is recommended as tribal funds are limited and deadlines apply.

### **Vocational Rehabilitation**

Students with physical limitations or health problems may be entitled to assistance for tuition, fees, and books. Students who wish to apply must contact their local Vocational Rehabilitation Office for eligibility information and applications.

### **North Dakota National Guard**

Students serving in either the National Guard or Air National Guard may be eligible for tuition assistance. For information or eligibility requirements, contact your local National Guard unit or the

## **Loans**

### **Nursing Student Loan (NSL)**

The Nursing Student Loan is a low interest loan program administered by the Financial Aid Office. The NSL is available to students enrolled and accepted into the nursing program. Students may apply for the Nursing Student Loan by completing the FAFSA. The deadline for priority consideration is March 15.

### **North Dakota Nursing Scholarship-Loan Program**

The North Dakota Nursing Scholarship Loan Program provides funds for qualified residents of North Dakota who express an interest in preparing for a career in nursing. If the student fails to complete the nursing program or fails to meet the employment requirements, the loan then becomes due and payable with accrued interest. The scholarship loan will be canceled if the student is subsequently employed as a registered nurse in North Dakota for an equivalent of two years. Students may apply for this scholarship loan by contacting the North Dakota Nursing Scholarship-Loan, Kirkwood Office Towers, Suite 504, 919 So. 7th St., Bismarck, ND 58504.

### **Gabriel J. Brown Trust Loan Fund**

The Gabriel J. Brown Trust Fund is available to North Dakota residents who have at least a 2.5 grade point average, have attended a college or university for two years, or have earned at least 48 credit hours. Applications for this loan program are available at the Financial Aid Office or by writing to Gabriel J. Brown Trust, 112 Ave E, Bismarck, ND 58501.

### **Federal Perkins Loan**

The Federal Perkins Loan program is a low interest loan program administered by the Financial Aid Office. Students may apply for the Federal Perkins Loan by completing the FAFSA. The deadline for priority consideration is March 15. The Federal government pays the interest on the loan during periods of enrollment.

### **Federal Subsidized Stafford Loan**

The Federal Subsidized Stafford Loan is a long-term, low-interest rate loan that must be repaid. Local financial institutions provide funds for the Federal Subsidized Stafford Loan Program. Students may apply for a Federal Subsidized Stafford Loan by completing the FAFSA. If eligible, students may borrow up to \$2,625 per year as a first year student (freshman), \$3,500 as a sophomore, and \$5,500 as a junior or senior. The Federal government pays the interest on the loan during periods of enrollment.

Repayment of the loan begins six months after the student graduates, drops to less than half time status, or withdraws from school. Students receiving a Federal Subsidized Stafford Loan for the first time at Minot State University must complete a loan counseling session before funds will be released. An exit interview is required at the time a student graduates or terminates enrollment at MSU.

### **Federal Unsubsidized Stafford Loan**

The same terms and conditions as the Federal Subsidized Stafford Loan apply to this loan program with the exception that the student is responsible for the payment of interest. Interest payments may be made quarterly or as determined by the lender.

### **Federal Parents Loan for Undergraduate Students (PLUS)**

Federal PLUS loans enable parents to borrow money to help pay for their children's education.

Parents may borrow on behalf of a dependent student. The maximum amount of the loan is the difference between the cost of education less other financial assistance received. Repayment begins 60 days after disbursement. Applications are available at the Financial Aid Office.

## **Employment**

### **Federal Work Study Program (FWS)**

The Federal Work Study Program provides eligible students an opportunity to earn money which helps pay their educational costs. Minot State University offers FWS as part of a student's total financial aid package. Students are paid at least the federal minimum wage for the number of hours worked each month. Students who are rehired during a subsequent academic year to the same position may be eligible for a higher pay rate. Students apply for FWS by completing the FAFSA and by meeting the priority funding date of March 15th. Awards are based on the availability of funds.

## **Scholarships**

Scholarships & related information available at the "[Scholarships and Award Programs](#)" section.



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## Undergraduate Catalog

- Colleges & Catalogs
- Course Descriptions
- 2004-06 Addendum
- Introduction
- Degree Offerings
- Special Programs
- Academic Information
- Admissions
- Advising & Orientation
- Extended Learning
- Financial Information
- Administration & Faculty

### Scholarships and Award Programs

- [General Information](#)
- [Athletic](#)
- [Business](#)
- [Communication Disorders](#)
- [Education](#)
- [Honors](#)
- [Humanities](#)
- [Math and Computer Science](#)
- [Music](#)
- [Nursing](#)
- [Psychology](#)
- [Science](#)
- [Social Science](#)
- [Social Work](#)
- [Special Education](#)
- [General Scholarships](#)

- CURRENT STUDENTS
- FUTURE STUDENTS
- ALUMNI & FRIENDS

To apply for scholarships available through Minot State University, complete the scholarship and awards program application. Applications are available at the Financial Aid Office, Admissions Office or may be completed online at [www.minotstateu.edu/finaid](http://www.minotstateu.edu/finaid). (New first year students (freshman) must print the online form and have their high school counselor complete and sign a section of the application.)

Students interested in scholarships awarded based upon performance, such as music, theatre or athletic awards, are requested to contact the individual departments. Individual departments may request additional information.

Preference will be given to students who have submitted their application by February 15. Applications will be accepted after the deadline date and may be used for additional awards that become available.

#### Academic Excellence Award

Awarded to high school seniors with demonstrated academic excellence

ACT/GPA	ND residents	Non-ND residents
ACT 25 to 29 or 3.5-3.74 GPA	\$750/year	\$500/year
ACT 30 and above or 3.75-4.0 GPA	\$1,500/year	\$1,000/year

Awarded to new freshman only, must meet all admission requirements, must be enrolled as a full-time student

Renewal requirements-maintain 3.0 institutional GPA, complete 20 credits per academic year, maintain continuous enrollment

### **Diversity Award**

Awarded to new undergraduate students and based on ethnic origin or economic hardship

- Award ranges from \$600 to \$3,200 per academic year based on residency.
- Awarded to new freshman or transfer students only, must meet all admission requirements, must be enrolled as a full-time student, 2.25 GPA or higher
- Renewal requirements-maintain 2.0 institutional GPA and complete 20 credits per academic year, maintain continuous enrollment

### **Provincial Award**

Awarded to new undergraduate students from Canadian provinces other than Manitoba and Saskatchewan

- Award is \$3,400 per academic year
- Awarded to new freshman or new transfer students, must meet all admission requirements, must be enrolled as a full-time student
- Renewal requirements-maintain 2.0 institutional GPA, complete 20 credits per academic year, maintain continuous enrollment

### **Global Award**

Awarded to new undergraduate international students from countries other than Canada

- Award is \$2,800 per academic year
- Awarded to new freshman or new transfer students, must meet all admission requirement, must be enrolled as a full-time student
- Renewal requirements-maintain 2.0 institutional GPA, complete 20 credits per academic year, maintain continuous enrollment

### **National Award**

Awarded to new undergraduate students from states other than North and South Dakota, Montana and Minnesota and those that are members of WUE and MHEC

- Award is \$2,800 per academic year
- Awarded to new freshman or new transfer students, must meet all admission requirements, must be enrolled as a full-time student
- Renewal requirements-maintain 2.0 institutional GPA, complete 20 credits per academic year, maintain continuous enrollment

### **ATHLETIC**

**Aufforth/Marean/Coleman Athletic Scholarship**-Established in honor of Allan R. Aufforth, Ora "Bud" Marean, and James W. Coleman. Student must be enrolled full time, maintain a GPA of 2.0 or higher, and participate in MSU's intercollegiate athletic programs. Financial need is considered, with preference given to students from the Glenburn and Kenmare, ND areas.

**Beaver Booster Athletic Scholarship**-Established to support the athletic program at MSU. Scholarships are awarded by coaches and Athletic Department to athletes based on athletic ability.

**Clyde A. "Stretch" Nelson Scholarship**-Established by family members and friends in memory of Clyde A. "Stretch" Nelson. This scholarship is awarded by the Athletic Department Scholarship Committee to a full-time MSU student playing basketball on the MSU team.

**George Kaczor Athletic Scholarship**-Given to one or more athletes competing on the football team. It is based on need and athletic ability. George Kaczor was a former student and member of the Beaver football squad and member of the Board of Regents.

**George Mellem Athletic Scholarship**-Awarded annually in memory of George Mellem, long time supporter of athletics at MSU.

**Jim Thorpe Memorial Scholarship**-Available to any race, color or creed, with preference given to a Native American athlete. Student must maintain a GPA of 2.50+, with a GPA of 3.00+ in physical education. Character, morals, and leadership ability are considered. Student is required to partake in as many as two functions per month in representing the committee's activities. Preference is given to track or cross-country athletes, but is open to all sports. The recipient must write a letter of acceptance upon notification of the award. Must have an understanding of life and contributions of Jim Thorpe.

**Jerome "Wheaties" Peterson Memorial Scholarship**-Established by friends of "Wheaties" Peterson in his memory.

**Larry Fiedler Scholarship**-Established in 1998 by family and friends in his memory. Recipient must be regularly enrolled as a full-time MSU undergraduate sophomore, junior or senior student who is playing women's volleyball on the MSU team. Recipient must possess a minimum GPA of 3.0 or higher.

**L.M. "Bud" Funk Memorial Scholarship**-Established by Archie Funk in memory of L.M. "Bud" Funk.

**Merle "Willie" Becker Memorial Scholarship**-Established by friends of "Willie" Becker in his memory.

**MSU Hall of Fame Scholarship**-Established to support the athletic program at MSU.

**Robert Deardurff Scholarship**-In August of 1999, the Robert Deardurff family established a scholarship in his memory. Recipient must be regularly enrolled as a full-time MSU undergraduate junior or senior who has some involvement with a varsity athletic program, i.e., athletic trainer, statistician, or student manager. Recipient must maintain a minimum GPA of 3.0 or higher and be a North Dakota resident. In the event a student meeting the criteria is unavailable, the funds will be held until such a student is identified.

**Stan and Selma Fink Scholarship-Athletics**-Awarded each year in business and athletics.

**Wes Luther Athletic Scholarship**-Established to support a student involved in athletics.

## **BUSINESS**

**Adelaide Johnson Scholarship**-Initiated by the Delta Omega Chapter of Pi Omega Pi. This annual award of \$400 will be presented to an outstanding member of Pi Omega Pi. Dr. Johnson was an advisor of Delta Omega for many years prior to her retirement.

**Brady, Martz, and Associates Scholarship**-Awarded annually to an outstanding accounting major at the junior or senior level planning to pursue an accounting career and CPA certification.

The award is based on merit. Preference is given to a native of North Dakota.

**Dale Atwood Endowed Scholarship**-Established in honor of long time College of Business Dean, Dale Atwood. Criteria and selection of recipients is determined by the executive committee of the College of Business.

**Don L. Barber Scholarship**-Awarded to a junior or senior student majoring in business or a graduate student in the Masters of Science in management program.

**Doris Slaaten Scholarship**-Established by faculty and former students, this annual award will be presented to an outstanding member of Phi Beta Lambda. Dr. Slaaten was an advisor of PBL for many years prior to her retirement.

**Doris Slaaten Trust Scholarship**-Provides awards based on academic performance and financial need and is open to all College of Business majors.

**E. James McIntyre Scholarship**-Awarded to a full-time student in the College of Business who has a minimum cumulative GPA of 3.0. Preference may be given to a student who is participating in MSU athletics.

**Eide, Bailly, LLP Scholarship**-Awarded annually to an outstanding accounting major planning to pursue certification as a CPA and to enter the public accounting profession.

**J. Bernard Busse Memorial Scholarship**-Established in memory of J. Bernard Busse, a long-time staff member. His service exemplified the highest quality in every respect. Awarded to a student in business teacher education with at least sophomore status.

**Lee Badertscher Memorial Scholarship**-Awarded annually and requires a 3.5 cumulative grade point average, major in a four year business program, and classification as a full-time junior or senior.

**Ove Jorgensen Scholarship**-Awarded to outstanding business students on the basis of academic performance and leadership. The requirements include a 3.5 grade point average, full time status, pursuit of a four year business program, 24 credits in residence, and classification as a sophomore or above.

**Pearl Stusrud Memorial Scholarship**-Awarded annually to students pursuing the B.S. degree in accounting. Additional requirements include a 3.0 cumulative grade point average, a 3.5 GPA in the major, and classification as a sophomore or above. Selection is based on academic performance, leadership, and extracurricular activities.

**R.D. Koppenhaver Foundation Scholarship**-Awarded annually to an outstanding accounting major entering their senior year intending to sit for the CPA exam who is a native of North Dakota or a border city. The foundation is supported by the North Dakota Society of CPA's.

**Dr. Richard Walker Scholarship**-Awarded to a full-time student majoring in accounting.

**Xcel Energy Scholarship**-Awarded to a sophomore, junior, or senior full-time student achieving a GPA of 2.0 or greater, with preference given to dependents of Xcel employees or retirees. Preference also given to a student enrolled in the College of Business.

## **COMMUNICATION DISORDERS**

### **Communication Disorders Department Scholarship Endowment Fund**

**Edna Gilbert Scholarship**-Scholarship available for any major in communication disorders.

**Hearing and Training Center**-Scholarship for graduate students in communication disorders. Minimum GPA is 3.5.

**North Dakota Speech, Language, and Hearing Association Scholarship**-Awarded to graduate and undergraduate students of at least junior level status majoring in communication disorders.

**Rotary Club Scholarship**-Two scholarships are awarded each year to graduate students in speech-language pathology or audiology.

**Scottish Rites Scholarship**-Two awards to incoming students to the graduate program in speech-language pathology and two awards to upper-division students at the undergraduate level in speech-language pathology.

## **EDUCATION**

**Bernadine H. Kunkel Endowed Scholarship**-Established by Bernadine H. Kunkel in memory of Marie and Sarah J. Wick, Pretoria Ogg and Mae and Norman Swearingen, all of whom were instrumental in helping Bernadine finish high school in Minot. This scholarship is also in memory of Miss Huldah Winsted and Miss Florence Perckett, who provided their assistance and guidance to Bernadine during her college years at MSU. This is awarded to a full-time student studying to be a teacher. Recipient must possess a cumulative GPA of 3.0.

**Edith Carpenter Rose Scholarship**-Awarded to a student of Education with junior or senior status who plans to teach in North Dakota. Student must maintain a GPA of 3.0 and possess good interpersonal skills. The applicant must submit a letter of recommendation on fitness for teaching from a member of the faculty, and prepare a typewritten article entitled "Why I Want to Teach."

**Glenn Bonness Scholarship**-The Glenn Bonness Scholarship was established in May 1999. No less than 50% of available monies will be directed to students enrolled in the university teacher education program. Recipient must be an enrolled full-time MSU undergraduate first year student (freshman), sophomore, junior or senior. The scholarship may be renewed dependent on the student's continuance in the university curriculum and maintenance of satisfactory academic progress. Priority will be given to students eligible to receive financial aid.

**Hazall D. Johnson Scholarship**-Established in memory of Hazall D. Johnson by her family. The scholarship is awarded to a junior or senior student in education majoring in speech-language pathology, music education, or history education. Financial need and academic achievement are considered.

**Helen Gaheen Myhra Scholarship**-Initiated by Thomas J. Myhra and established by family members in memory of Helen Gaheen Myhra, one of 99 students in the first class (1913) of Minot Normal School (now Minot State University).

**John F. and Veronica Grimes Scholarship**-Established by Veronica Grimes for the benefit of students attending Minot State University. Recipient must be regularly enrolled as a full-time

elementary education major; must have achieved a rank of junior or senior, have a cumulative grade point average of 3.0 or higher, and be a resident of North Dakota. Complete MSU Scholarship Application available through the Financial Aid Office.

**Mandan Education Association Scholarship**-Available to junior or senior students who graduated from Mandan High School and are studying to become teachers. Applicants must submit a letter of application stating background information, need, qualifications, interests, and future plans in the educational field. The application deadline is March 1 of each year. Apply to: Mandan Education Association President, Mandan Public Schools, Mandan, ND 58554.

**Naomi E. Adams Scholarship**-Established in August 1995 in memory of Naomi E. Adams whose personal commitment to education and fond memories of her years here at the State Normal School in 1929 prompted her endowment to us. Recipients of this scholarship must be students of education and plan to teach after graduation.

**North Dakota Congress of Parents And Teachers Scholarship**-Available to juniors and seniors.

**Ole and Sarah Joraanstad Scholarship**-This scholarship was established by Harold O. and Loretta Joraanstad for the benefit of a junior or senior education major with a GPA of 3.5. The recipient must be enrolled as a full-time student. Financial need is also considered.

**SNDEA Scholarship**-Awarded by the North Dakota Education Association to a member of the Student North Dakota Education Association who has been active in the organization for at least one year and has a grade point average of 3.0.

**Wihelmina Thompson Scholarship**-Awarded to an education student demonstrating academic achievement.

## **HONORS**

**Philip and Barbara Fallis Scholarship**-Established by family members and friends in memory of Philip and Barbara Fallis. This scholarship is awarded by the Honors Society program student advisory board in conjunction with the Director of the Honors Society Program to a junior or senior student who is an active member of the Honors Society Program working towards a full four year honor degree.

## **HUMANITIES**

**Frank Hornstein Memorial Scholarship**-Established by Catharine B. Hornstein in memory of Frank Hornstein, a long time editor. The scholarship is offered first to the editor of the Red and Green, secondly to someone enrolled in journalism.

**First year student (freshman) Theatre Arts Award**-Scholarship awarded to incoming Freshmen who are declared Communication Arts majors and who actively participate in forensics or theatre activities.

**Harold and Verna Aleshire Drama Scholarship**-Awarded to an upperclass MSU student majoring in drama. Must maintain a 3.0 GPA.

**Harvey & Arlone Twyman Scholarship (Art)**-Scholarship awarded to a high school senior who intends to major in art. The scholarship will be determined by a spring competition to which the student will be invited to submit portfolios. Awarded to students who have completed 8 credits of

art coursework and have a 3.25 GPA in their major.

**Harvey & Arlone Twyman Scholarship (Drama)**-Scholarships are awarded to theatre majors who have completed their first year and are actively involved in theatre activities. Recipients must have at least a 3.50 GPA in their major.

**Harvey & Arlone Twyman Scholarship (Literature)**-Scholarships are awarded to English majors who have completed at least 12 credits of English coursework and have at least a 3.50 GPA.

**Helen Hoar Memorial French Award**-Established in memory of Helen Hoar by her sisters Marianne Howard and Kay McNeil and her friend Margaret Dixon. This award is given annually to an outstanding student in French.

**Humanities Scholarship**-Scholarship fund is raised from contributions of the division's faculty members. Applicants must be majoring in the Division of Humanities and must have an outstanding academic record. The award is applied to the student's tuition over two semesters during the academic year.

**Lyla Hoffine Memorial Scholarship**-established by friends of Lyla Hoffine, in memory of Lyla Hoffine. This scholarship is awarded annually to an outstanding student in the field of writing.

**Myrtle Nordwick Canata Endowed Scholarship**-Established in 1993 through the estate of Myrtle Nordwick Canata, a 1930 MSU graduate. The scholarship is awarded with first preference given to English students demonstrating financial need.

#### **MATH AND COMPUTER SCIENCE**

**Agnes & Ray Ladendorf Scholarship**-Established by Thomas Ladendorf in memory of his parents Agnes & Ray Ladendorf. Agnes was a long time member of the MSU mathematics faculty. This scholarship is awarded to a full-time student pursuing a degree in math, computer science, science, and/or education. Recipient must have a cumulative GPA of 2.5 and be a graduate of Des Lacs-Burlington, Berthold or Bowbells High School.

**Blaine B. Kuist Memorial Scholarship**-Established by family and friends in memory of Blaine B. Kuist, for a sophomore, junior or senior who shows outstanding academic achievement in science or mathematics. Financial need is considered.

**Frank and Olga Bauman Scholarship**-Awarded to a full-time education major in math or science who is a junior or senior.

**Mathematics and Computer Science Scholarship**-Awarded to a student who plans to major in mathematics or computer science, has strength of course background in mathematics and/or computer science. The scholarship is also based on information received from references and the quality of the GPA in mathematics/computer science.

#### **MUSIC**

**Bert Skakoon String Scholarship**-Awarded to the outstanding orchestral string students who attend MSU. Recipients must perform with the Minot Symphony Orchestra at all rehearsals and concerts.

**Blanche Lynch Memorial Scholarship**-Established through contributions by the late Mrs. Thomas W. Leach of Towner, North Dakota, and Tulsa, Oklahoma. Two scholarships are available

each year to an outstanding junior for the senior year and to an outstanding incoming first year student (freshman) in vocal or instrumental music. Recipients of this \$250 scholarship must be music majors.

**Evelyn Sampson Music Scholarship**-Awarded to piano students demonstrating exceptional performance accomplishments as determined by the recital committee.

**Gay Gidley King Scholarship**-Established in January 1994 in memory of Gay Gidley King. Student must be a piano student. This scholarship is based on the students ability and financial need.

**Harvey & Arlone Twyman Scholarship**-Awarded to music majors.

**Lyle C. Hanson Scholarship**-Established through the estate of Lyle C. Hanson to provide scholarships to students in music education.

**Jeanne Sandberg Scholarship**-The Jeanne M. Sandberg Music endowment was established in July 1998. The interest income from the endowment will support activities of the vocal music program at MSU. Her husband Maynard established the scholarship in her memory and some of the activities it will fund could include expenses for choir performances in area schools and communities; expenses for choir trips or convention attendance; sponsoring of local concerts; and expenses for bringing in guest artists.

**John and Pat Strohm Music Scholarship**-Established in January 1995 in memory of John Strohm, professor emeritus of music. John Strohm was at Minot State University for 35 years in various capacities to include voice teacher, performer, conductor, classroom teacher, and administrator. He directed the MSU Concert Choir from 1951-1974 and the MSU Women's Chorus from 1962 until 1974. He directed the annual Christmas performance of Handel's Messiah for 24 years. An associate professor of music, he became the chairman of the Division of Music in 1961 and retired in 1986. Student must be enrolled full time as a music major, possess a cumulative grade point average of 3.0 or higher, and preferably be a student of vocal music. Students studying a musical instrument may also be considered.

**Mike Berg Memorial Scholarship**-The recipient must participate in Band and Jazz Ensembles for the entire year. The recipient is determined by the judge at the MSU Jazz Festival.

**Minot Chamber Chorale Scholarship**-Presented to an MSU vocal major by the Minot Chamber Chorale.

**Minot Symphony Association and Women's Symphony League Scholarship**-Presented to outstanding woodwind, brass, percussion, or orchestral string students attending MSU. Awards are based on performance ability and recipients must perform with the Minot Symphony Orchestra at all rehearsals and concerts.

**Music Division Scholarship**-Awarded annually, this scholarship requires participation in choral and instrumental activities.

**Petrucci Kiwanis String Scholarship**-Scholarship for an MSU student who plays violin, viola or cello, or acoustic string bass. Awarded by the Minot Kiwanis Club in memory of Arturo Petrucci. The award is based on ability and requires performance with the Minot Symphony Orchestra at all

rehearsals and concerts.

**Ralph Wallin Keyboard Scholarship**-Scholarship for a qualified student in piano or organ. The recipient must be a keyboard major and study with a member of the keyboard faculty.

**Robert O. "Red" Wuttke Scholarship**-Established from the estate of "Red" Wuttke to be awarded to students studying music. Mr. Wuttke bequeathed his entire estate in December 1996, to Minot State University for music scholarships.

**Ruth Schell Overholser Fellowship**-Established for the benefit of graduate students pursuing the study of music. Student must be enrolled as a graduate student in the Division of Music at MSU, demonstrate financial need, and academic achievement and maintain a GPA of 3.0.

**Ruth Schell Overholser Scholarship**-Established by J. Spencer and Ruth Schell Overholser, this scholarship is awarded to a student who is at least a sophomore, is a resident of North Dakota and is enrolled as a full-time bachelor's degree candidate in the Division of Music at MSU. A cumulative GPA of 3.0 is required and financial need and musical talent will be considered.

**Sally Thomas Violin Scholarship**-Awarded to a violin student who is majoring or minoring in music, preferably a freshman who performs with the Minot Symphony Orchestra.

## **NURSING**

**Betsy Nokleby Scholarship**-Established by the Student Association in honor of Betsy Nokleby who served as College Nurse for 26 years. Two nursing students are selected for scholarships each spring semester.

**Dean's Scholarship**-Available to one or more students who have benefited nursing or made a lasting, positive effect on nursing by: 1. displaying innovation, creativity, or leadership; 2. communicating an idea or raising a question; or 3. implementing a project. Students are recommended by the faculty.

**Evelyn Nielson Scholarship**-Established by family and friends in memory of Evelyn Nielson. It is awarded to a full-time undergraduate nursing major who demonstrates active leadership to the nursing organization, nursing professionals or the community. Recipient must possess a cumulative GPA of 3.0 and may be awarded the scholarship more than one time.

**Francis Svee Scholarship**-Established by Harvey Svee of Lansford, and awarded by the Department of Nursing to a junior student excelling in psycho-social aspects of nursing.

**Gunnar Solberg Scholarship**-A trust fund established by Gunnar Solberg, a long time farmer/rancher. Nursing students must be at least a junior and must demonstrate financial need. The number of scholarships depends on trust fund income.

**Hazel B. Berve Trust**-This scholarship was established by Hazel B. Berve because her husband had expressed a great appreciation for the male nurses who attended him during his illness prior to his death. It is awarded to male students from North Dakota or Minnesota to help defray the last two years of educational expenses.

**Helen Chatfield Shurr Scholarship**-Scholarship honoring a pioneer registered nurse who was a member of the first graduation class of St. Joseph's Hospital School of Nursing in 1911.

Preference is given to a RN or LPN pursuing a BSN degree. Requirements include a ND resident, GPA of 3.0, planned enrollment in 4-6 credits of nursing courses, eligibility for 400 level nursing courses, and completion of at least 38 credits in nursing courses.

**Joan Love Christianson Memorial Nursing Scholarship**-This scholarship was established by the family of Joan Love Christianson. It is awarded to a student enrolled full-time in the nursing program. Recipient must maintain at least the minimum academic standards.

**Leona Rubbelke Scholarship**-Upon settlement of her estate, a Leona R. Rubbelke scholarship fund has been established as outlined in her last will and testament. Scholarships are awarded in the health services area at Minot State University.

**Maloney Educational Trust Scholarship**-Established from the estate of Mable and Ethel Maloney and awarded to North Dakota residents on the basis of financial need, academic excellence, character, and citizenship. At least one-half of the awards are made to students enrolled in the nursing, medical technology, and radiologic technology curriculums at Minot State University.

**Mark Ronde Memorial Scholarship**-Established by relatives and friends of Mark Ronde. Preference is given to an RN returning to school for a BSN degree. A cumulative grade point average of at least 3.0 is required and financial need will be considered.

**Minot Moose Lodge Scholarship**-Established by the Loyal Order of Moose Lodge No. 822, Minot, from interest generated from the Moose Lodge No. 822 Educational Trust Fund. These scholarships are awarded to MSU students pursuing nursing, radiologic technology, medical technology, pre-medicine, pre-dentistry, or pre-pharmacy who are North Dakota residents. Criteria for the award are financial need, academic performance, character, and citizenship.

**Otto R. and Irene Ella Johnson Scholarship**-Scholarships honoring Irene Ella Johnson who dedicated her life to her family. Preference is given to an older than average (over age 24), "caring" nursing student who has successfully completed the first clinical course (NURS 256). A cumulative grade point average of 3.0 is required.

**Patricia L. Trzruc Memorial Scholarship**-This scholarship was established for the benefit of the top nursing student attending Minot State University. The scholarship will be awarded to a fourth year nursing major during the junior year of the nursing program to be used during the senior year. The recipient must be enrolled as a full-time student.

**Roger Drobash Nursing Education Scholarship**-Awarded to a relative of a current or former member of either Trench Rat Dugout No. 436 or Disabled American Veterans Chapter No. 4.

**Tracy Petersen Snyder Scholarship**-This fund was established by the parents and husband of Tracy Petersen Snyder in her memory to benefit a junior or senior nursing student. The award will be given to the student(s) who demonstrates scholastic excellence and displays the attributes of being a dedicated student of professional nursing.

## **PSYCHOLOGY**

**Dr. Richard Sheldon Scholarship**-Awarded to students majoring in either psychology or addiction counseling.

## **SCIENCE**

**Blaine B. Kuist Memorial Scholarship**-Established by family and friends in memory of Blaine B. Kuist, for a sophomore, junior, or senior who shows outstanding academic achievement in science or mathematics. Financial need is considered.

**Clinton and Adlyn Morgan Scholarship**-Established by Dr. Rose Morgan in memory of her parents. Applicants must be majoring in medical technology or biology with the intent of entering a health related profession.

**Cyril Moore Science Scholarship**-Awarded to a student pursuing a major in the division of science. This scholarship was named in honor of Cyril Moore who was a professor of chemistry from 1943–1964 and served as chair of the Division of Science and Math from 1958-1964.

**Frank and Olgar Bauman Scholarship**-Awarded to a full-time education major in math or science who is a junior or senior.

**Glenn Bonness Scholarship**-Recipient must be a full-time MSU undergraduate freshman, sophomore, junior or senior enrolled in the science program.

**J. Spencer Overholser Scholarship**-Awarded to sophomore or higher student of the natural sciences, preference in chemistry.

**Minot Rotary Scholarship**-Awarded to Biology pre-health professional student.

**The Ruth and Charles Hoffman Botanical Scholarship**-Established by the Northwest Association of Horticulture for a full-time student who is majoring in biology and/or who demonstrates an interest in botany/horticulture. Recipient must possess a cumulative GPA of 2.5. The recipient may receive the award for multiple consecutive years providing that all eligibility criteria are maintained. The recipient will also receive an honorary membership in the Northwest Association of Horticulture and will be encouraged to participate in the association's activities.

## **SOCIAL SCIENCE**

**Frances Bane Crockett Scholarship**-Established by H. Paul Crockett in memory of his wife, Frances Bane Crockett. This annual scholarship is available to an older than average (over 24 years) MSU student with at least a 2.0 GPA and majoring in social science or general college studies. Financial need is also a consideration.

**Dr. N.M. Lillehaugen History Scholarship**-Funds raised through endowment earnings. Academic performance and promise; 3.0 GPA; junior or senior standing; history major.

## **SOCIAL WORK**

**Catholic Family Services Scholarship**-Awarded annually to three juniors from across the state who are majoring in social work. The requirements for the receipt of this scholarship include: (1) must be currently in their junior year and anticipate completing the social work program the following year, (2) intend to practice social work in North Dakota, (3) have been a resident of North Dakota for four or more years, (4) knowledgeable about and compatible with the basic tenants of the Catholic Church.

**Jim Wahlberg Memorial Scholarship**-Established in memory of longtime faculty member and social work chair, James Wahlberg. Awarded to a student who has been admitted to the social

work program and has a minimum 3.0 GPA in completed core social work classes. Application available through Financial Aid Office.

**North Dakota Conference of Social Welfare Scholarship**-Awarded annually to a senior social work major from each of the five regional social work programs and is presented at the North Dakota Social Welfare Conference each fall. The scholarship consists of a cash award, a plaque, and expenses for travel, lodging, and meals to attend the North Dakota Conference of Social Welfare.

**Paul Morrison Scholarship**-Awarded to a junior or senior who is majoring in economics, history, social science or sociology and has a minimum 3.0 GPA.

#### **SPECIAL EDUCATION**

**Dr. Ronald E. Archer Memorial Scholarship**-Established by Hazel Archer in memory of her husband who was a major influence in the well-being of mentally retarded citizens of North Dakota. Applicants must be a junior or senior majoring in the education of mentally retarded.

**Bane-Sather Scholarship**-Established by H. Paul Crockett and Frances Bane Crockett in memory of his wife's father, Walter James Bane, and his mother, Mary Elva Sather. Applicants must be a full time, older than average student maintaining a 2.0 GPA and demonstrate financial need. This annual scholarship is awarded to a student in education of the deaf.

**Elsie May Deeter Hearing Impaired Scholarship**-Established by Elsie May Deeter, who spent her entire teaching career working with the hearing impaired. It is for the benefit of hearing impaired students or those students studying to be a teacher for the hearing impaired.

**Florence Lake Scholarship**-Established by Florence Lake, a leader in the education of the hearing-impaired children who was instrumental in establishing the program at Minot State University. This annual scholarship is awarded to students in education of the deaf on the basis of academic achievement and financial need.

**Frances V. Leach Scholarship**-Established by the late Mrs. Thomas W. Leach of Towner, North Dakota, and Tulsa, Oklahoma, to encourage and support special education. Priority is given to a graduate student from Towner or McHenry County majoring in learning disabilities. If no graduate student applies, the scholarship will be awarded to an undergraduate student from Towner or McHenry County majoring in special education.

**Hooterville Lion Edwin R. Hovrud Memorial Scholarship**-Established by the Hooterville Flion Lions in memory of Lion Edwin Hovrud. Awarded annually to a freshman (first year student) in a special education curriculum.

**Minot Sertoma Club Scholarship**-Established by the Minot Sertoma Club to aid students in hearing and speech. One scholarship is awarded each year to a student in education of the deaf and one to a student in audiology or speech pathology, both on the basis of scholarship and need.

**Special Education Scholarship**-Awarded to a sophomore student with declared special education major, who maintained a GPA of 3.5 during the first year student (freshman) year. The award is renewable for one year based on satisfactory progress.

**Other Scholarships**-Please contact Dr. Thomas Linares (x3057) for information about other

possible scholarships available through the Department of Communication Disorders and Special Education.

#### **GENERAL SCHOLARSHIPS**

Alumni Association Scholarship-Emphasis is given to children/grandchildren of MSU alumni, faculty, and/or staff (former or present) with consideration of academic performance. One full-tuition scholarship is awarded annually to a child/grandchild of an alumnus.

**American Association of University Women Scholarship (AAUW)**-Available to all disciplines, the scholarship is awarded to a senior demonstrating academic achievement, with the required completion of a need analysis.

**Beverly C. and Ruth Blowers Memorial Scholarship**-Established in memory of Beverly G. and Ruth Blowers and awarded to entering freshmen from the Makoti area who are graduates of North Shore High School. Relatives of Mr. and Mrs. Blowers will be given priority. The recipient must maintain at least a 2.0 grade point average. Financial need, character, desire to obtain a degree, and citizenship will be considered.

**Bobbie Williams Scholarship**-This scholarship was established in memory of Bobbie Williams who attended Minot State Teachers College. Scholarship is open to all areas of study.

**Charles A. Wiley Memorial Scholarship**-Established in memory of Charles A. Wiley. The award is open to all majors and is based on academic achievement.

**Dell M. Clarke Memorial Endowed Scholarship**-This scholarship in memory of Dell M. Clarke was established by a bequest from her estate. Recipient must be enrolled as a full-time undergraduate or graduate student who has lived in Ward County (N.D.) for at least five years preceding date of application. The scholarship may be renewed dependent on the student's maintenance of satisfactory academic progress. Priority will be given based on financial need.

**Delta Epsilon Phi-Lucille Whitt Scholarship**-Established to perpetuate the name and memory of Lucille Whitt and the Delta Epsilon Phi Sorority. This scholarship is awarded to a full or part-time student who graduated from an accredited high school or equivalent. Recipient must have a cumulative GPA of 2.5. Preference will be given to an applicant who is a former member or a direct descendent of a Delta Epsilon Phi alumna.

**Diversity Tuition Waiver**-Beginning in the fall of 1993 the State Board of Higher Education adopted a tuition waiver program to recruit, assist, and retain minority students.

**Dr. and Mrs. C.P. Lura Scholarship**-Established by Dr. and Mrs. C.P. Lura to provide one or two annual scholarships. Junior and senior students maintaining academic progress are eligible to apply. One scholarship is awarded to a male student and one is awarded to a female student. The award is open to all majors. Dr. Lura was president of the university from 1956 to 1967.

**Dr. Joel A. Davy Memorial Scholarship**-This scholarship was established by the family of Dr. Joel A. Davy in his memory. Dr. Davy was a long time administrator at MSU. Recipient must be enrolled full-time and may receive this scholarship for more than one semester.

**Edith L. Barrett Memorial Scholarship**-Established in memory of Edith Barrett by son and daughter-in-law, John W. & Marilyn J. Barrett. This scholarship is awarded to full-time students,

with a priority given to students who graduated from Ellendale or Divide County High Schools. The scholarship may be renewed dependent on the student's maintenance of satisfactory academic progress.

**Emma S. Brynjolfson and Grace W. Brynjolfson Endowed Scholarship**-This scholarship was established by a bequest from the estate of Grace W. Brynjolfson. This is awarded to an enrolled full-time undergraduate. The scholarship may be renewed dependent on the student's maintenance of satisfactory academic progress. Priority will be given based on financial need.

**E.R. Manning Scholarship**-Available to all students who have demonstrated academic excellence. The award is open to all majors.

**Gail E. Cranston Scholarship**-Awarded to students demonstrating academic achievement and financial need. The award is open to all majors.

**Galen Brown Memorial Scholarship**-Established in memory of Galen Brown, former MSU faculty member, for general scholarships.

**The Gertrude M. Eck Trust Fund Scholarship**-Awarded to MSU undergraduate students who show serious financial need, good character, and academic promise. Awards are restricted to students whose principal place of residence is one of the following North Dakota counties: Bottineau, Burke, Divide, McHenry, McKenzie, McLean, Mountrail, Pierce, Renville, Rolette, Sheridan, Ward, Wells, and Williams.

**Gordon B. Olson Scholarship**-Established in 1992 by many private contributors and the MSU Development Foundation in honor of Dr. Gordon B. Olson for his 25 years of service as President of Minot State University. Awarded to full-time MSU students demonstrating academic achievement. Scholarships are available to students from all academic disciplines. No more than one scholarship may be awarded annually on the basis of athletics achievement or performance.

**Grant M. & Ruth Norem Scholarship**-Established by family members in memory of Grant M. (a long time MSU educator) and Ruth Norem. Awarded annually, this scholarship is open to all junior or senior students who have achieved high academic excellence and demonstrate financial need.

**Hazel McCulloch Scholarship**-Established through the estate of Hazel McCulloch and donations by family and friends in her memory and awarded primarily on the basis of financial need to students with sound scholastic standing. Preference is given to a Washburn student. Miss McCulloch is remembered as an outstanding professor of history at MSU.

**Howard Randall Scholarship**-Established by family members in memory of Howard Randall, a former employee of Minot State University. This scholarship is awarded by the MSU Scholarship Committee with a preference given to students who are family members of faculty and staff employed by Minot State University.

**Hugh Family Scholarship**-Established by the late Thelma A. and Theodore Edward Hugh through the Hugh Family Trust with scholarship preference given to undergraduate students on the basis of financial need.

**Jerome Wrahlstad Scholarship**-Application is made through the Financial Aid Office.

**John and Ethel Score Scholarship**-Awarded annually, this scholarship is available to North Dakota residents who are juniors or seniors at MSU. Eligibility is based on academic achievement without regard to subject area.

**June E. (Steinke) Votaw Endowed Scholarship**-This scholarship in memory of June E. (Steinke) Votaw was established by a bequest from her estate. This is awarded to a regularly enrolled full-time undergraduate student. This scholarship may be renewed dependent on the student's academic progress. Priority will be given based on financial need.

**Kevin Michael Hill Endowed Scholarship**-Established by Michael Hill in memory of his son, a former MSU student. Awarded to a full-time MSU student of sophomore status, maintaining a GPA of 3.0.

**The Louise Reishus Scholarship**-Established by Louise Reishus, a former instructor and Dean of Women at the University, for students demonstrating academic achievement. The award is open to all majors.

**Marie Torgerson Scholarship**-Established by a bequest from the estate of Fernando G. Torgerson in memory of his mother, Marie Torgerson. Recipient must clearly demonstrate competence notably and significantly beyond that of peers. Academic excellence, leadership qualities and financial need are considered.

**Minot Model Alumnus Association Scholarship**-Established to perpetuate the name and memory of Minot Model High School. Applicants must be direct decedents of students who attended the high school on the MSU campus prior to its closing in 1968. The application deadline is April 15.

**Montana-Dakota Utilities Company Scholarship**-Awarded to a student from a community served by Montana-Dakota Utilities who is a sophomore majoring in engineering, business, or computer science. Selection criteria includes academic achievement, leadership and character, and financial need.

**NDCPD Access Scholarship**-Established to help students with significant disabilities attending Minot State University finance their college experience. Applications are available from the NDCPD and are awarded by the NDCPD Consumer Advisory Council scholarship committee.

**North Dakota Fire Chiefs' Association Scholarship**-Available to a student whose parent is an active (volunteer or full-time) or a deceased firefighter of North Dakota. The primary consideration is a student who shows academic promise with a 2.5 GPA. Awards are made every third year, (00-01, then 03-04).

**Orvald J. Bjerken Scholarship**-Non-athletic scholarship awarded to a student demonstrating academic achievement and financial need.

**Oscar Quam Scholarship**-Awarded annually to sophomores, juniors, and seniors based on academic achievement. Open to all courses of study.

**Quota Club of Minot Scholarship**-Awarded to female students with sophomore through senior standing who are North Dakota residents. Awards are based on academic excellence first and financial need as a secondary qualification. Preference is given to older than average students.

**Plum Valley Women's Scholarship**-Established by the Minot Commission on the Status of Women, this scholarship will be awarded annually to a female MSU student of at least sophomore standing, maintaining a GPA of 2.5 or higher. Financial need is also a consideration.

**R.J. Doebler Family Memorial Scholarship**-Established in 1993 through the Marian E. Kiehn estate in honor of R.J. Doebler family. The scholarship is awarded to a full-time student at MSU. Financial need and academic ability may be considered but are not the sole criteria.

**Ralph Hubbard Scholarship**-The recipient is required to become familiar with Ralph Hubbard's biography, *A Man As Big As the West*. Applicants must have at least a 3.0 grade point average. Special consideration is given to Native Americans, science education majors, and students with financial need.

**Ray and Alice Hovey Memorial Endowed Scholarship**-Established in 1992 by Dr. Richard Hovey in memory of his parents Ray and Alice (M. Cooper) Hovey. Alice graduated from MSU in 1930 with a B.A. in Social Science. The awards are based on academic achievement.

**Ray and Ingeborg Atwood Memorial Scholarship**-Established in 1983 through donations from the sons and daughters of Ray and Ingeborg Atwood. They were early pioneers in Renville County. Awarded to a sophomore, junior, or senior on the basis of financial need and academic achievement, and is open to all majors. A recipient may be awarded this scholarship two times. Maintenance of 2.0 cumulative grade point average is required to be considered for a second scholarship.

**Robert and June Marsh Scholarship**-The Robert and June Marsh Scholarship was established after Mrs. Marsh's death in 1999. The university was able to establish the scholarship through the generosity of Mrs. Marsh's estate, the proceeds of which were gifted to the university. Robert Marsh served for many years in the Air Force including World War II and finished his career there. A portion of his military memorabilia is on display in the Westlie Room. Mrs. Marsh was a former member of the Board of Regents and felt a close relationship with the university since she lived most of her life within blocks of the campus.

**Roger and Jeanette Christ Endowed Scholarship**-Scholarship is awarded to a regularly enrolled full-time MSU student. This scholarship may be renewed dependent on the student's maintenance of satisfactory academic progress.

**Theodore and Nan Monson Scholarship**-Established in February 1995 in memory of Theodore and Nan Monson who left no surviving children and chose to help higher education benefit many youth through their gift. Recipients are selected based on financial need.

**Tom and Mary Probst Family Scholarship**-Awarded by the Financial Aid Office to students studying in one of the following colleges: College of Business, College of Education and Health Sciences, or the Department of Nursing.

**Verendrye Electric Cooperative Scholarship**-Awarded to a student from a rural area demonstrating academic achievement. Award is open to all majors.

**Westlie Endowed Scholarship**-Student must demonstrate financial need, and possess a record of satisfactory academic progress. The award is open to all majors. Applicant must be a resident of

the Northwest quadrant of North Dakota, which includes the counties of Bottineau, Burke, Divide, McHenry, McKenzie, McLean, Mountrail, Pierce, Renville, Sheridan, Ward, and Williams.

**William Joseph Coming Hay Scholarship**-Established by Eric Clausen in memory of Billy Joe Coming Hay. Awarded to an outstanding Native American student from the Fort Berthold Reservation. Student must be a full-time student, maintaining a GPA of 3.0.

Modified: June 1, 2006

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## Administrative Staff

Note: Figure in parenthesis represents first year of service at MSU.

- Anderson, Mark..... Controller  
B.Acc., University of North Dakota. (2003)
- Barnett, Caren.....University Nurse  
B.S.N., Southern Illinois University; M.A., Central Michigan University. (2001)
- Bertsch, Lynda..... Director of Career Services  
B.A., B.S., Minot State University. (1983)
- Black, Tricia ..... Coordinator of Student Activities  
B.A., Minot State University. (1996)
- Edwards, Jared .....Director of Plant Services  
(1985)
- Eriksmoen, Lisa ..... Director of Student Life  
B.S.S.W., M.A., University of North Dakota. (1991)
- Foley, Sandra.....Bookstore Manager  
B.A., Minot State University. (1978)
- Gehring, Dale.....Director of Student Financial Aid  
B.A., Minot State University. (1984)
- Gilchrist, Wendi.....University Nurse  
B.S.N., Beth-El College of Nursing; M.S.N., University of Phoenix. (2001)
- Hall, Nancy.....Vice President for Academic Affairs  
B.S., University of Minnesota; M.Ed., South Dakota State University; Ed.D., University of South Dakota.  
(1994)
- Hammond, Wylie.....Director of MultiCultural Support Services and the Native American Cultural Center  
B.A., Mankato State University; M.A., University of Americas-Santa Catrina Martir, Puebla, Mexico. (1992)
- Haskins, Bruce Vice President for Administration and Finance  
B.S., B.A., University of North Dakota; CPA Certification North Dakota. (1985)
- Hedberg, Rick .....Athletic Director  
B.S.E., Minot State University; M.E., University of North Dakota. (2001)
- Hewlett, Roderic.....Dean, College of Business  
B.S., Cameron University; M.A., D.A., Middle Tennessee State University. (2002)
- Horvath, Cathy ..... Director of Information Technology  
B.S., M.S., Minot State University. (1988)
- Jenkins, Richard R.Vice President for Advancement and Student Affairs  
B.A., M.S., North Dakota State University; Ed.D., Mississippi State University. (1983)
- Johnson, Lisa..... Director of Records  
A.S., B.S., M.S., Minot State University. (1994)
- Klimpel, Evelyn .....Disabled Student Services Counselor  
B.S., M.S., Minot State University. (1989)
- Krebsbach, SueMAFB Program Coordinator and Student Services Officer  
B.S., Minot State University. (1985)
- Loftesnes, Teresa ..... Director of Continuing Education

(1979)

- Matthews, Wesley ..... Director of Human Resources  
B.S., University of Nebraska; M.H.R., University of Oklahoma. (1979)
- Myhre, Barbara ..... Director of Major Gifts  
B.G.S., Minot State University. (1994)
- Nordquist, Neil Dean, College of Education and Health Sciences  
B.A., University of Lethbridge; M.Ed., University of Calgary; Ed.D., Brigham Young University. (1997)
- Nordstrom, Sandra..... Director of Printing Services  
B.A., Minot State University. (1978)
- Parisien, Dennis..... Admissions Counselor  
B.S.E., Minot State University. (2001)
- Perzinski, Leon ..... Student Union Director  
B.A., Minot State University. (1990)
- Stokes, Kenneth..... Dean, College of Arts and Sciences  
B.A., M.A., Ph.D., York University. (2002)
- Thompson, Kimberlee ..... Director of Public Information  
B.S., Moorhead State University. (1999)
- Witwer, Stephanie..... Director of Outreach  
B.S., North Dakota State University; B.S.N., M.S.N., University of North Dakota. (2001)

## Tenure Track Faculty

Note: Figure in parenthesis represents first year of service at MSU.

- Allen, Rebecca..... Assistant Professor of Criminal Justice  
B.A., Central Washington University; M.A., Ph.D., Washington State University. (2002)
- Anderson, Erik ..... Assistant Professor of Music  
B.M., M.M., University of Idaho; D.M.A., University of Cincinnati. (2003)
- Andreasen, Bethany ..... Associate Professor of History  
B.A., University of Wisconsin-Eau Claire; M.A., Ph.D., Cornell University. (1991)
- Askvig, Brent Assistant to the Dean of E&HS and Professor of Special Education  
B.S., M.S., Minot State University; Ph.D., University of Idaho. (1984)
- Atwood, Larry..... Assistant Professor of Computer Science  
B.S., Minot State University; M.S., Moorhead State University. (1984)
- Baldwin, Leslie ..... Assistant Professor of Special Education  
B.A., B.S.E., M.S., Minot State University; Ed.D., University of Cincinnati. (1999)
- Barcomb, Rebecca ..... Assistant Professor of Education  
B.S., M.S., Minot State University. (1993)
- Barkosky, Richard ..... Associate Professor of Biology  
B.S., M.A., Ph.D., University of South Dakota. (1995)
- Beachy, Christopher ..... Associate Professor of Biology  
B.A., The College of Wooster; M.S., Western Carolina University; Ph.D., The University of Southwestern Louisiana. (1998)
- Bertsch, Andrew..... Assistant Professor of Management

B.S., M.S., Minot State University. (2002)

Bobylev, Mikhail..... Assistant Professor of Chemistry  
M.S., Moscow State University; Ph.D., Institute of Plant Protection Chemicals. (2002)

Borden-King, Lisa ..... Assistant Professor of Education  
B.A., M.S, University of North Dakota; Ph.D., Indiana University. (1997)

Bowles, DeVera .....Assistant Professor of Music  
B.A., Pfeiffer College; M.M., East Carolina University. (1994)

Bowles, Kenneth .....Associate Professor of Music  
B.M.E., Texas Christian University; M.M.E., Ph.D., University of Oklahoma. (1993)

Bradley, David..... Associate Professor of Humanities  
B.A., University of Northern Iowa; M.A., Manhattan School of Music; Ph.D., Florida State University. (1989)

Bruley, Charlene ..... Assistant Professor of Social Work  
B.A., University of Montana; M.S.W., Walla Walla College. (2003)

Burke, Donald M.Chairperson, Department of Addiction Studies/Psychology/Social Work and Professor of Psychology  
B.A., Gonzaga University; M.A., California State University at Los Angeles; Ph.D., Washington State University. (1980)

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Career Services .....	Student Union 2nd floor .....	3362
Cashier .....	Administration 2nd floor .....	3333
	<b>LOCATION</b>	<b>PHONE (858 prefix)</b>
Center for Extended Learning .....	Administration 1st floor .....	3822
Correspondence.....	Administration 1st floor .....	3390
Online.....	Administration 1st floor .....	3218
Bismarck Coordinator.....	Administration 1st floor .....	701-224-5496
Central Receiving.....	Plant Services.....	3210
Communication Arts.....	Hartnett Hall 145W .....	3878
Communication Disorders and Special Education .....	Memorial Hall 139.....	3031
Computer Center .....	Administration 2nd floor .....	3018
Computer Science .....	Model Hall 108.....	3072
Controller .....	Administration 2nd floor .....	3577
Copy Center.....	Pioneer Basement .....	3026
Criminal Justice.....	Memorial Hall 610.....	3303
Development Office .....		3890
Dome .....		3041
Drug & Alcohol Studies .....	Memorial Hall 370.....	3138
Education and Health Sciences .....	Memorial Hall 336.....	3150
Education of the Deaf .....	Memorial Hall 108.....	3050
Educational Opportunity Center .....	Dakota 108 .....	3015
English .....	Hartnett Hall 325W .....	3369
Enrollment Services.....	Student Union 2nd floor .....	3350, 3351, 4347
Field Placement and Advisement.....	Old Main 202 .....	3838
Financial Aid .....	Administration 2nd floor .....	3375
Food Services (Chartwells).....	Student Union 1st floor .....	4465
Cafeteria.....	Student Union 2nd floor .....	3834
Snack Bar.....	Student Union 1st floor .....	3393
Foreign Languages .....	Hartnett Hall 148W .....	3170
Graduate School .....	Memorial Hall 308.....	3250
Hartnett Hall Gallery.....	Hartnett Hall 2nd floor.....	3264
Honors Program.....	Model Hall 208.....	4293
Housing.....	Student Union 3rd floor .....	3363
Human Resources .....	Administration 2nd floor .....	3352
Humanities .....	Hartnett Hall 148W .....	3170
Infant Development Program .....	Memorial Hall 384.....	3054
Institute for International Business .....	Memorial 307 .....	3689
Institutional Research .....	Administration 2nd floor .....	3343
International Center .....	Hartnett Hall 328.....	3367
Intramurals.....	Student Union 235A.....	3366
IT Central .....	Old Main 108 .....	4444

IVN Studio.....	Administration 158 & 160.....	3487
	Prairie Room, Student Union .....	3984
Job Service ND.....	Student Union 2nd floor .....	3361
Journalism.....	Student Union 304 .....	3353
KMSU Radio.....	Hartnett Hall 124E .....	
Business Line.....		3829
Request Line.....		3573
Learning Disabilities.....	Memorial Hall 119.....	3020
Library.....		3200
Acquisitions.....		3306
Cataloging.....		3203
Front Desk.....		3201
Gallery.....		3264, 3201
	Periodicals .....	
Reference.....		3296
MAFB Resident Counselor.....		727-9044
Mathematics.....	Model Hall 108.....	3072
Mental Retardation.....	Memorial Hall 108.....	3050
Midcontinent Institute .....	1015 8th St. NW .....	3070
Minot Community Business Incubator.....	Mount Vernon .....	3825
Minot Symphony Orchestra.....	Old Main 215 .....	4228
MSU-Bottineau Advisor.....	Administration 1st floor .....	4339
Multicultural Support Services.....	Administration 3rd floor .....	3365
Music .....	Old Main 220 .....	3185
	<b>LOCATION</b>	<b>PHONE (858 prefix)</b>
Native American Cultural Center.....	Administration 3rd floor.....	3365
North Dakota Center for Persons with Disabilities .....	Memorial Hall 407.....	3580
North Dakota Geographic Alliance.....	1015 8th St NW .....	3063
Northwest Art Center .....	Hartnett Hall 205E .....	3264
Nursing .....	Memorial Hall 525.....	3101
Learning Resource Lab.....	Memorial Hall 547.....	3105
Parking Office .....	Plant Services.....	3318
Payroll.....	Administration 2nd floor .....	3225
Physical Education.....	Old Main 210D.....	3277
Plant Services.....		3210
<b>Emergency (After Hours).....</b>		<b>3567</b>
Post Office .....	Administration 2nd floor .....	3010
President.....	Administration 2nd floor .....	3301
Press Box.....	Dome .....	3813
Press Room .....	Pioneer Basement .....	3143
Printing Services.....	Pioneer Basement .....	3272
Psychology.....	Memorial Hall 370.....	3145
Psychology (Graduate).....	Memorial Hall 370.....	3145
Public Information Office.....	Administration 1st floor .....	3298
Records Office .....	Administration 2nd floor .....	3340
First year student (freshman) .....		3346
Graduation .....		3345
International Students .....	Student Union 2nd floor .....	3348
Registrar.....		3340
Registration and Information .....		3339
Returning Students .....		3349
Transcript Requests .....		3349
Transfer Students.....		3347
Red and Green .....	Student Union 304 .....	3354
Residence Halls		
Cook Hall.....		3701
Dakota Hall.....		3501
Lura Manor.....		3901
McCulloch Hall .....		3601
Science .....	C Moore 140.....	3161
Small Business Development Center.....	2201 15th St SW.....	857-8211
Small Business Management Program.....	Mount Vernon .....	3684

Social Science .....	Administration 365 .....	3130
Social Work .....	Memorial Hall 370 .....	3145
Special Education .....	Memorial Hall 320 .....	3050
Media Center .....	Memorial Hall 126A .....	3033
Speech and Hearing Clinic .....	Memorial Hall 109 .....	3030
Sports Information Director .....	Dome 233 .....	3261
Student Activities Coordinator .....	Student Union 2nd floor .....	3987
Student Affairs Office .....	Student Union 2nd floor .....	3363
Student Association Office .....	Student Union 302 .....	3091
Student Association President .....	Student Union 301 .....	3090
Student Development Center		
Counseling .....	Lura Manor, lower level .....	3371
Testing .....	Lura Manor, lower level .....	3371
Disabled Student Services .....	Lura Manor, lower level .....	3371
Student Health Center .....	Lura Manor, lower level .....	3377
Student Life .....	Student Union 3rd floor .....	3363
Student Loan Collections .....	Administration 2nd floor .....	3199
Student Union .....		3364
Director .....	Student Union 1st floor .....	4461
Meal Plans .....	Student Union 2nd floor .....	3364
Mini-Mizer .....	Student Union 2nd floor .....	3394
Photo ID .....	Student Union 2nd floor .....	3364
Room Reservations .....	Student Union 2nd floor .....	3364
Swimming Pool Schedule .....	Student Union 2nd floor .....	3364
Study Abroad .....	Hartnett Hall 140W .....	3819
Summer Theatre .....		3228
Switchboard .....	Administration 2nd floor .....	3000
	<b>LOCATION</b>	<b>PHONE (858 prefix)</b>
Teacher Education and Human Performance .....	Old Main 202A .....	3028
TEAMS Coordinator .....	Memorial Hall .....	3020
Testing .....	Lura Manor, lower level .....	4233
Theatre Ticket Office .....	Hartnett Hall .....	3172
TRIO Student Support Services .....	Student Union 309 .....	4453
Tutoring .....	Lura Manor, lower level .....	3371
University Advancement .....	Administration 1st floor .....	3890
Vice President for Academic Affairs .....	Administration 2nd floor .....	3310
Vice President for Administration & Finance .....	Administration 2nd floor .....	3331
Vice President for Advancement & Student Affairs .....	Administration 1st floor .....	3299
Vietnam Veteran's Children Assistance Prog. ....	Memorial Hall .....	3280, 3505
Western Plains Opera Company .....		3185
Women's Resource Center .....	Dakota Hall .....	3192
Writing Center .....	Student Union 306 .....	3354
Yearbook Office .....	Student Union 304 .....	3354

# Changes in the College of Business Core Curriculum

## Old COB Core and Required Support Courses

ACCT 200	Elements of Accounting I
ACCT 201	Elements of Accounting II
BOTE 247	Spreadsheet Applications
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
MATH 146	Applied Calculus
MATH 240	Applied Statistics
ACCT 300	Legal Environment of Business
BADM 301	Fundamentals of Management
BADM 321	Marketing
BADM 416	Production Management
BADM 465	Strategic Management
FIN 353	Corporate Finance
BIT 320	Management Information Systems
BIT 318	Business Communication

## New COB Core and Required Support Courses

### Pre-admission Courses:

ACCT 200	Elements of Accounting I
ACCT 201	Elements of Accounting II
BOTE 247	Spreadsheet Applications
BADM 226	Quantitative Methods for Business
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
MATH 240	Applied Statistics

### Pre-admission General Education Requirements:

COMM 110	Fundamentals of Public Speaking
ENGL 110	College Composition I
ENGL 120	College Composition II
MATH 103	College Algebra

### Post-admission Courses:

ACCT 300	Legal Environment of Business
BADM 301	Fundamentals of Management
BADM 321	Marketing
FIN 353	Corporate Finance
BIT 320	Management Information Systems
BIT 318	Business Communication

### What's the difference between the old and new COB core?

#### New COB Core:

The new COB core is based on an admissions program. **Students must complete or be currently enrolled in all pre-admission courses before applying to a COB major.** Upon acceptance, students will take post-admission and major courses. Please see the attached sheet for further details about any new requirements for each COB major.

#### Course requirements of the new COB core:

The new core does not require students to take applied calculus, strategic management, and production management as required by the old core. Such courses are specialized in nature. The new core provides students with a broad level of knowledge. Upon completing the core, students choose which specialty (major) they would like to pursue: management, marketing, accounting, finance, virtual business, or management information systems.

### How does the new COB core pertain to me?

#### Current Students:

Students may stay with the old COB core or enroll in the new COB core.\* If students enroll in the new core, they must also complete new requirements for COB majors. Students are encouraged to see their advisor about enrolling in the new COB majors.

#### New Students:

##### (Students who begin a COB program in Fall 2005)

The new COB core is required for all four year programs.\*

#### Transfer Students:

Transfer students should check with their department chair on transferability of courses. The new COB core is required for all transfer students.

\*The new COB core does not apply to the Business Education and Bachelor of Applied Sciences programs.

## Sample Schedule under the New COB Core

**Please Note: The following schedule does not reflect the 128 credit minimum required for graduation.**

Pre-admission Core Courses: Years 1 & 2				Post-admission Core & Major Courses: Years 3 & 4			
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ECON 201	ECON 202	ACCT 200	ACCT 201	BADM 301	BIT 320	Major Classes	Major Classes
ENGL 110	ENGL 120	BOTE 247	BADM 226	BADM 321	BIT 318	Major Classes	Major Classes
GEN ED	GEN ED	MATH 240	GEN ED	FIN 353	Major Classes	Major Classes	Major Classes
MATH 102*	MATH 103	COMM 110	GEN ED	ACCT 300	Major Classes		
GEN ED		GEN ED					

\*Math 102 is an Optional Course

## New Accounting Major

### Old Accounting Major Courses

ACCT 301	Intermediate Accounting I
ACCT 302	Intermediate Accounting II
ACCT 303	Intermediate Accounting III
ACCT 311	Federal Tax I
ACCT 326	Cost Accounting I
ACCT 331	Business Law I
ACCT 401	Advanced Accounting I
ACCT 430	Auditing I

### Old Accounting Electives (3) credits each

Elect at least 11 credits

ACCT 312	Federal Tax II
ACCT 315	Not-For-Profit Accounting
ACCT 327	Cost Accounting II
ACCT 330	International Business Law
ACCT 332	Business Law II
ACCT 351	Fraud Examination
ACCT 360	Accounting Information Systems
ACCT 402	Advanced Accounting II
ACCT 431	Auditing II
ACCT 497	Internship*
ACCT 499	Special Topics

\* 2 credits maximum

### New Accounting Major Courses

ACCT 301	Intermediate Accounting I
ACCT 302	Intermediate Accounting II
ACCT 303	Intermediate Accounting III
ACCT 326	Cost Accounting I
ACCT 331	Business Law I
ACCT 401	Advanced Accounting I
ACCT 411	Taxation of Individuals
ACCT 412	Taxation of Business Entities
ACCT 430	Auditing/Assurance Concepts
ACCT 480	Controllorship

### New Accounting Electives (3) credits each

Elect at least 11 credits

ACCT 315	Government/Not-Profit Accounting
ACCT 327	Cost Accounting II
ACCT 330	International Business Law
ACCT 332	Business Law II
ACCT 351	Fraud Examination
ACCT 360	Accounting Information Systems
ACCT 402	Advanced Accounting II
ACCT 431	Auditing/Assurance Practices
ACCT 497	Internship*
ACCT 499	Special Topics
ECON 318	Money and Banking

\* 2 credits maximum

### What's the difference between the old and new COB accounting major?

Formal student learning outcomes have been established for the accounting program to better equip the accounting major for success in today's business world. To address these specific competencies, the accounting program was revised in the following ways:

1. A new course, ACCT 480: Controllorship, is required.
2. ACCT 412 (previously ACCT 312): Taxation of Business Entities is moved from an elective option under the old accounting program to a required course under the new accounting program.
3. The upper level economics course requirement is dropped from the new accounting program.
4. ECON 318: Money and Banking is an elective under the new accounting program.

In addition, a number of courses under the new accounting program have new course numbers, titles, and descriptions.

### How does the new COB accounting major pertain to me?

#### Current Students:

Students may opt to stay with the old accounting major or enroll in the new accounting major; however, if students choose to enroll in the new accounting major, they must also complete the new COB core. Students are encouraged to see their advisor about enrolling in the new accounting major.

#### New Students:

##### (Students who begin a COB program in Fall 2005)

Students must be enrolled in the new COB core and will follow the courses outlined in the new accounting major.

#### Transfer Students:

Transfer students should check with their department chair on transferability of courses. The new COB core is required for all transfer students.

### Sample Schedule for an Accounting Major under the New COB Core

**Please Note: The following schedule does not reflect the 128 credit minimum required for graduation.**

Preadmission Core Courses: Years 1 & 2				Post-admission Core & Major Courses: Years 3 & 4			
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ECON 201	ECON 202	ACCT 200	ACCT 201	BADM 301	BIT 320	ACCT 303	ACCT 412
ENGL 110	ENGL 120	BOTE 247	BADM 226	BADM 321	BIT 318	ACCT 401	ACCT 480
GEN ED	GEN ED	MATH 240	GEN ED	FIN 353	ACCT 302	ACCT 411	ACCT ELECTIVE
MATH 102	MATH 103	COMM 110	GEN ED	ACCT 300	ACCT 326	ACCT 430	ACCT ELECTIVE
GEN ED		GEN ED			ACCT 331	ACCT ELECTIVE	ACCT ELECTIVE

\*MATH 102 is an optional course

## New Finance Major

### Old Finance Major Courses

FIN 355	Investments
FIN 357	Advanced Corporate Finance
FIN 454	Portfolio Theory
FIN 455	Financial Institutions & Markets
FIN 458	Financial Management
BADM 409	International Business
ACCT 321	Managerial Accounting

### Old Finance Major Electives

Select **four** courses from the following:

ACCT 301	Intermediate Accounting I
ACCT 302	Intermediate Accounting II
ACCT 303	Intermediate Accounting III
ACCT 311	Federal Tax I
ACCT 312	Federal Tax II
BADM 496	Business Consulting
FIN 360	Entrepreneurial Finance
FIN 443	Real Estate Finance
FIN 451	Insurance and Risk Management
FIN 457	International Corporate Finance
FIN 497	Internship
FIN 499	Special Topics*
ECON 411	Public Finance

\* Requires advisor approval for meeting program requirements

### New Finance Major Courses

FIN 355	Investments
FIN 357	Advanced Corporate Finance
FIN 360	Entrepreneurial Finance
FIN 454	Portfolio Theory
FIN 455	Financial Institutions & Markets
FIN 458	Cases in Finance
BADM 409	International Business
ACCT 321	Managerial Accounting

### New Finance Major Electives

Select **three** courses from the following:

ACCT 301	Intermediate Accounting I
ACCT 302	Intermediate Accounting II
ACCT 303	Intermediate Accounting III
ACCT 411	Taxation of Individuals
ACCT 412	Taxation of Business Entities
BADM 496	Business Consulting
FIN 443	Real Estate Finance
FIN 451	Insurance and Risk Management
FIN 457	International Corporate Finance
FIN 497	Internship
FIN 499	Special Topics*
ECON 318	Money and Banking

\* Requires advisor approval for meeting program requirements

### What's the difference between the old and new COB finance major?

Formal student learning outcomes have been established for the finance program to better equip the finance major for success in today's business world. To address these specific competencies, the finance program was revised to change Finance 360: Entrepreneurial Finance from an elective to a required course under the new finance program.

### How does the new COB finance major pertain to me?

#### Current Students:

Students may opt to stay with the old finance major or enroll in the new finance major; however, if students choose to enroll in the new finance major, they must also complete the new COB core. Students are encouraged to see their advisor about enrolling in the new finance major.

#### New Students:

##### (Students who begin a COB program in Fall 2005)

Students must be enrolled in the new COB core and will follow the courses outlined in the new finance major.

#### Transfer Students:

Transfer students should check with their department chair on transferability of courses. The new COB core is required for all transfer students.

## Sample Schedule for a Finance Major under the New COB core

**Please Note: The following schedule does not reflect the 128 credit minimum required for graduation.**

Pre-admission Core Courses: Years 1 & 2				Post-admission Core & Major Courses: Years 3 & 4			
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ECON 201	ECON 202	ACCT 200	ACCT 201	BADM 301	BIT 320	FIN 360	FIN 454
ENGL 110	ENGL 120	BOTE 247	BADM 226	BADM 321	BIT 318	FIN ELECTIVE	FIN 455
GEN ED	GEN ED	MATH 240	GEN ED	FIN 353	ACCT 321	FIN ELECTIVE	FIN 458
MATH 102	MATH 103	COMM 110	GEN ED	ACCT 300	FIN 355	FIN ELECTIVE	
GEN ED		GEN ED			FIN 357	BADM 409	

\*MATH 102 is an optional course

\*\*FIN 251 is a recommended course

## New Management Major

### Old Management Major Courses

BADM 303 Human Resource Management  
 BADM 401 Entrepreneurship/SBM  
 BADM 408 Negotiations  
 BADM 436 Organizational Behavior P & P  
 ACCT 321 Managerial Accounting  
 BADM 409 International Business

### 15 semester hours of electives

BADM 309 Safety Management  
 BADM 329 Marketing Management  
 BADM 406 Professional Business Ethics  
 BADM 421 Applied Business Research  
 BADM 434 Cultural Environment of International Business  
 BADM 437 International Management  
 FIN 458 Financial Management  
 BADM 496 Business Consulting  
 BADM 497 Internship  
 BADM 499 Special Topics\*  
 ECON 315 Labor Economics  
 ECON 410 Managerial Economics

\*Requires advisor approval for meeting program requirements.

### New Management Major Courses

BADM 303 Human Resource Management  
 BADM 416 Operations Management  
 BADM 465 Strategic Management  
 BADM 436 Organizational Behavior P & P  
 BADM 304 Entrepreneurship/SBM  
 BADM 489 Entrepreneurship & New Venture Creation  
 ACCT 321 Managerial Accounting  
 BADM 409 International Business

### What's the difference between the old and new COB management major?

The new COB management major addresses specific core competencies for successful management in today's business environment. To address these core competencies, classes such as entrepreneurship & new venture creation, strategic management, and operations management are required under the new major. The old management major offers these and other courses as electives. Students wishing to pursue the new management major must complete the pre-admission core and apply for admission into the major.

### How does the new COB management major pertain to me?

#### Current Students:

Students may opt to stay with the old management major or enroll in the new management major; however, if students choose to enroll in the new management major, they must also complete the new COB core. Students are encouraged to see their advisor about enrolling in the new management major.

#### New Students: (Students who begin a COB program in Fall 2005)

Students must be enrolled in the new COB core and will follow the courses outlined in the new management major.

#### Transfer Students:

Transfer students should check with their department chair on transferability of courses. The new COB core is required for all transfer students.

## Sample schedule for a management major under the new COB core

**Please Note: The following schedule does not reflect the 128 credit minimum required for graduation.**

Pre-admission Core Courses: Years 1 & 2				Post-admission Core & Major Courses: Years 3 & 4			
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ECON 201	ECON 202	ACCT 200	ACCT 201	BADM 301	BIT 320	BADM 409	BADM 489
ENGL 110	ENGL 120	BOTE 247	BADM 226	BADM 321	BIT 318	BADM 416	BADM 465
GEN ED	GEN ED	MATH 240	GEN ED	FIN 353	ACCT 321	BADM 436	
MATH 102	MATH 103	COMM 110	GEN ED	ACCT 300	BADM 304		
GEN ED		GEN ED					

\*Math 102 is an Optional Course

## New Marketing Major

### Old Marketing Major Courses

BADM 324 Integrated Marketing Communications  
 BADM 329 Marketing Management  
 BADM 421 Applied Business Research  
 BADM 422 Consumer Behavior  
 BADM 424 Logistics and Channel Management

### 11-12 semester hours of electives

ART 112 Computer Graphics  
 ART 213 Graphic Design I  
 ART 214 Graphic Design II  
 ART 322 Graphic Design III  
 BADM 322 Professional Selling  
 BADM 323 Retailing  
 BADM 326 New Product Development  
 BADM 327 Services Marketing  
 BADM 328 Direct Marketing  
 BADM 406 Professional Business Ethics  
 BADM 427 International Marketing  
 BADM 434 Cultural Environment of International Business  
 BADM 460 Internship  
 BADM 496 Business Consulting  
 BADM 499 Special Topics\*  
 ECON 312 Price Theory

\*Requires advisor approval for meeting program requirements.

### New Marketing Major Courses

BADM 409 International Business  
 ACCT 321 Managerial Accounting  
 BADM 324 Integrated Marketing Communications  
 BADM 488 Marketing Strategy  
 BADM 421 Applied Business Research  
 BADM 422 Consumer Behavior  
 BADM 424 Logistics and Channel Management  
 BADM 427 International Marketing

### What's the difference between the old and new COB marketing major?

The new COB marketing major addresses specific core competencies for successful marketing in today's business environment. To address these core competencies, classes such as international business, managerial accounting, marketing strategy, and international marketing are required under the new major. The old marketing major offers these and other courses as electives. Students wishing to pursue the new marketing major must complete the preadmission core and apply for admission into the major.

### How does the new COB marketing major pertain to me?

#### Current Students:

Students may opt to stay with the old marketing major or enroll in the new marketing major; however, if students choose to enroll in the new marketing major, they must also complete the new COB core. Students are encouraged to see their advisor about enrolling in the new marketing major.

#### New Students: (Students who begin a COB program in Fall 2005)

Students must be enrolled in the new COB core and will follow the courses outlined in the new management major.

#### Transfer Students:

Transfer students should check with their department chair on transferability of courses. The new COB core is required for all transfer students.

### Sample schedule for a marketing major under the new COB core

**Please Note: The following schedule does not reflect the 128 credit minimum required for graduation.**

Preadmission Core Courses: Years 1 & 2				Post-admission Core & Major Courses: Years 3 & 4			
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ECON 201	ECON 202	ACCT 200	ACCT 201	BADM 301	BIT 320	BADM 409	BADM 488
ENGL 110	ENGL 120	BOTE 247	BADM 226	BADM 321	BIT 318	BADM 421	BADM 424
GEN ED	GEN ED	MATH 240	GEN ED	FIN 353	ACCT 321	BADM 422	BADM 427
MATH 102	MATH 103	COMM 110	GEN ED	ACCT 300	BADM 324		
GEN ED		GEN ED					

\*Math 102 is an Optional Course

# Management Information Systems (MIS) Major

## MIS Major Courses

BIT 235	Introduction to Web Site Design
CSCI 120	Computer Programming I
BIT 236	Desktop Publishing and Design
BIT 312	Database Theory and Application
BIT 342	Advanced Web Site Design
BIT 356	Business Data Communications
BIT 358	Networking for Managers
BIT 370	E-Commerce Technology
BIT 385	Technology Management
BIT 452	Database Program Development
BIT 453	Systems Analysis
BIT 454	Systems Design
BIT 460	Current and Emerging Issues in MIS
BIT 470	Projects in MIS

### Electives: Select one (3-4 cr)

BIT 333	COBOL Programming (3)
CSCI 122	Visual Basic (4)
CSCI 124	Introduction to C++ (4)

## How does the COB MIS major pertain to me under the new COB core?

### Current Students:

Students may opt to stay in the MIS major under the old COB core or under the new COB core. Students are encouraged to see their advisor about staying in the old COB core or switching to the new COB core. Also, please review the "Changes in the College of Business Curriculum" sheet for differences between the old and new COB core. The old and new COB cores are presented below for your review.

### New Students:

#### (Students who begin a COB program in Fall 2005)

Students must be enrolled in the new COB core and will follow the courses outlined in the new MIS major.

### Transfer Students:

Transfer students should check with their department chair on transferability of courses. The new COB core is required for all transfer students.

## Old COB Core and Required Support Courses

ACCT 200	Elements of Accounting I
ACCT 201	Elements of Accounting II
BOTE 247	Spreadsheet Applications
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
MATH 146	Applied Calculus
MATH 240	Applied Statistics
ACCT 300	Legal Environment of Business
BADM 301	Fundamentals of Management
BADM 321	Marketing
BADM 416	Production Management
BADM 465	Strategic Management
FIN 353	Corporate Finance
BIT 320	Management Information Systems
BIT 318	Business Communication

## New COB Core and Required Support Courses

### Preadmission Courses:

ACCT 200	Elements of Accounting I
ACCT 201	Elements of Accounting II
BOTE 247	Spreadsheet Applications
BADM 226	Quantitative Methods for Business
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
MATH 240	Applied Statistics

### Preadmission General Education Requirements:

COMM 110	Fundamentals of Public Speaking
ENGL 110	College Composition I
ENGL 120	College Composition II
MATH 103	College Algebra

### Post-admission Courses:

ACCT 300	Legal Environment of Business
BADM 301	Fundamentals of Management
BADM 321	Marketing
FIN 353	Corporate Finance
BIT 320	Management Information Systems
BIT 318	Business Communication

## Sample schedule for an MIS Major under the New COB core

Please Note: The following schedule does not reflect the 128 credit minimum required for graduation.

Preadmission Core Courses: Years 1 & 2				Post-admission Core & Major Courses: Years 3 & 4			
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ECON 201	ECON 202	ACCT 200	ACCT 201	BIT 342	BIT 452	BIT 453	BIT 454
ENGL 110	ENGL 120	BOTE 247	BADM 226	BIT 312	BIT 356	BIT 358	BIT 460
GEN ED	GEN ED	MATH 240	GEN ED	FIN 353	BADM 321	BIT 385	BIT 470
BIT 235	MATH 103	COMM 110	BIT 236	BIT 320	BIT 318	BIT ELECTIVE	BIT ELECTIVE
GEN ED	GEN ED	GEN ED	CSCI 120	BADM 301	CSCI 122	BIT 370	

## Virtual Business (VB) Major

### New VB Major Courses

BIT 235	Introduction to Web Site Design
BIT 312	Database Theory and Application
BIT 341	Human-Computer Interaction
BIT 342	Advanced Web Site Design
BIT 356	Business Data Communications
BIT 358	Networking for Managers
BIT 370	E-Commerce Technology
BIT 450	Knowledge Management
BIT 455	Virtual Teams
BIT 457	Virtual Business Technology
BIT 460	Current and Emerging Issues in MIS
BIT 471	Strategies for Managing a Virtual Business
BADM 302	Entrepreneurship/Small Business Management
BADM 303	Human Resource Management
BADM 409	International Business
PSYCH 111	Intro to Psychology

### How does the COB VB major pertain to me under the new COB core?

#### Current Students:

Students may opt to stay in the VB major under the old COB core or under the new COB core. Students are encouraged to see their advisor about staying in the old COB core or switching to the new COB core. Also, please review the "Changes in the College of Business Curriculum" sheet for differences between the old and new COB core. The old and new COB cores are presented below for your review.

#### New Students:

##### (Students who begin a COB program in Fall 2005)

Students must be enrolled in the new COB core and will follow the courses outlined in the VB major.

#### Transfer Students:

Transfer students should check with their department chair on transferability of courses. The new COB core is required for all transfer students.

### Old COB Core and Required Support Courses

ACCT 200	Elements of Accounting I
ACCT 201	Elements of Accounting II
BOTE 247	Spreadsheet Applications
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
MATH 146	Applied Calculus
MATH 240	Applied Statistics
ACCT 300	Legal Environment of Business
BADM 301	Fundamentals of Management
BADM 321	Marketing
BADM 416	Production Management
BADM 465	Strategic Management
FIN 353	Corporate Finance
BIT 320	Management Information Systems
BIT 318	Business Communication

### New COB Core and Required Support Courses

#### Preadmission Courses:

ACCT 200	Elements of Accounting I
ACCT 201	Elements of Accounting II
BOTE 247	Spreadsheet Applications
BADM 226	Quantitative Methods for Business
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
MATH 240	Applied Statistics

#### Preadmission General Education Requirements:

COMM 110	Fundamentals of Public Speaking
ENGL 110	College Composition I
ENGL 120	College Composition II
MATH 103	College Algebra

#### Post-admission Courses:

ACCT 300	Legal Environment of Business
BADM 301	Fundamentals of Management
BADM 321	Marketing
FIN 353	Corporate Finance
BIT 320	Management Information Systems
BIT 318	Business Communication

### Sample schedule for a VB Major under the New COB core

**Please Note: The following schedule does not reflect the 128 credit minimum required for graduation.**

Preadmission Core Courses: Years 1 & 2				Post-admission Core & Major Courses: Years 3 & 4			
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
ENGL 110	ENGL 120	COMM 110	ACCT 300	BIT 320	BIT 312	BIT 450	BIT 460
MATH 103/104	GEN ED	BIT 235	BIT 342	BIT 341	BIT 356	BIT 358	BIT 471
GEN ED	GEN ED	PSYCH 111	ACCT 201	BADM 321	BADM 303	BADM 302	ELECTIVE
GEN ED	GEN ED	ACCT 200	BADM 226	FIN 353	BIT 318	ELECTIVE	BADM 409
GEN ED	GEN ED	BOTE 247	MATH 240	BADM 301	BIT 455	BIT 370	
		GEN ED		BIT 457			

## New Bachelor of Applied Science (BAS) Program in Applied Management

### Old COB Core Requirements

Associate of Applied Science (AAS) Degree  
plus completion of Two Year School

General Education Requirement including:

ECON 201 Principles of Microeconomics	3
ECON 202 Principles of Macroeconomics	3
ACCT 200 Elements of Accounting I	3
MATH 240 Applied Statistics	4
BOTE 127 Information Processing	3

#### Area of Study (42 SH)

ACCT 201 Elements of Accounting II	3
BADM 301 Fundamentals of Management	3
BADM 303 Human Resource Management	3
BADM 309 Safety Management	3
BADM 321 Marketing	3
FIN 353 Corporate Finance	3
BADM 408 Negotiations	3
BADM 416 Production Management	3
BADM 436 Organizational Behavior Principles and Practices	3
BIT 318 Business Communications	3

#### Choose one elective from the following:

ACCT 300 Legal Environment of Business	3
BADM 406 Professional Business Ethics	3
BIT 320 Management Information Systems	3
BOTE 247 Spreadsheet Applications	3

BADM 497 Internship 3 – 9 SH/Electives 0-6 9

### New COB Core Requirements

Associate of Applied Science (AAS) Degree  
plus completion of Two Year School

General Education Requirement including:

ECON 201 Principles of Microeconomics	3
ECON 202 Principles of Macroeconomics	3
ACCT 200 Elements of Accounting I	3
MATH 240 Applied Statistics	4
BOTE 247 Spreadsheet Applications	3

#### Area of Study (42 SH)

ACCT 201 Elements of Accounting II	3
BADM 301 Fundamentals of Management	3
BADM 303 Human Resource Management	3
BADM 309 Safety Management	3
BADM 321 Marketing	3
FIN 353 Corporate Finance	3
BADM 408 Negotiations	3
BADM 416 Operations Management	3
BADM 436 Organizational Behavior Principles and Practices	3
BIT 318 Business Communications	3

#### Choose one elective from the following:

ACCT 300 Legal Environment of Business	3
BADM 406 Professional Business Ethics	3
BIT 320 Management Information Systems	3

BADM 497 Internship 3 – 9 SH/Electives 0-6 9

Students: Please see your advisor about the new BAS Program in Applied Management.

**New Bachelor of Applied Science (BAS) Program: Business Information Technology**

**Old COB Core Requirements**

Associate of Applied Science (AAS) Degree plus completion of Two Year School

General Education Requirement including:

ECON 201 Principles of Microeconomics	3
ECON 202 Principles of Macroeconomics	3
ACCT 200 Elements of Accounting I	3
BOTE 127 Information Processing	3

**Area of Study (42 SH)**

BADM 301 Fundamentals of Management	3
BOTE 247 Spreadsheet Applications	3
BIT 235 Introduction to Web Site Design	3
BIT 312 Database Theory and Application	3
BIT 318 Business Communication	3
BIT 320 Management Information Systems	3
BIT 370 E-Commerce Technology	3
BIT 356 Data Communications	3
BIT 385 Technology Management	3

**Choose a set of two from the following:**

BIT 333 COBOL Programming	3
CSci 120 Computer Programming I	3
BADM 321 Marketing	3
BIT 342 Advanced Web Site Design	3
BIT 453 Systems Analysis	3
BIT 454 Systems Design	3
BIT 497 Internship 3 – 9 SH/Electives 0-6	9

**New COB Core Requirements**

Associate of Applied Science (AAS) Degree plus completion of Two Year School

General Education Requirement including:

ECON 201 Principles of Microeconomics	3
ECON 202 Principles of Macroeconomics	3
ACCT 200 Elements of Accounting I	3

**Area of Study (42 SH)**

BADM 301 Fundamentals of Management	3
BOTE 247 Spreadsheet Applications	3
BIT 235 Introduction to Web Site Design	3
BIT 312 Database Theory and Application	3
BIT 318 Business Communication	3
BIT 320 Management Information Systems	3
BIT 370 E-Commerce Technology	3
BIT 356 Data Communications	3
BIT 385 Technology Management	3

**Choose a set of two from the following:**

BIT 333 COBOL Programming	3
CSci 120 Computer Programming I	3
BADM 321 Marketing	3
BIT 342 Advanced Web Site Design	3
BIT 453 Systems Analysis	3
BIT 454 Systems Design	3
BIT 497 Internship 3 – 9 SH/Electives 0-6	9

Students: Please see your advisor about the new BAS Business Information Technology program.

## New Accounting Minor

### OLD ACCOUNTING MINOR

#### ACCOUNTING MINOR (21 cr)

ACCT 200 Elements of Accounting I	3
ACCT 201 Elements of Accounting II	3
ACCT 301 Intermediate Accounting I	3
ACCT 302 Intermediate Accounting II	3
ACCT 321 Managerial Accounting	3

#### *Elect two from the following (6cr)*

ACCT 303 Intermediate Accounting III	3
ACCT 311 Federal Tax I	3
ACCT 315 Not-For-Profit Accounting	3

### NEW ACCOUNTING MINOR

#### ACCOUNTING MINOR (21 cr)

ACCT 200 Elements of Accounting I	3
ACCT 201 Elements of Accounting II	3
ACCT 301 Intermediate Accounting I	3
ACCT 302 Intermediate Accounting II	3
ACCT 321 Managerial Accounting	3

#### *Elect two from the following (6cr)*

ACCT 303 Intermediate Accounting III	3
ACCT 315 Government/Non-Profit Accounting	3
ACCT 411 Taxation of Individuals	3
ACCT 412 Taxation of Business Entities	3

Students: Please see your advisor about the new accounting minor.

## New Finance Minor

### FINANCE MINOR (OLD)

FIN 353 Corporation Finance	3
FIN 355 Investments	3
FIN 357 Advanced Corporate Finance	3
FIN 455 Financial Institutions & Markets	3

**Select three courses from the following:**

FIN 360 Entrepreneurial Finance	3
FIN 443 Real Estate Finance	3
FIN 451 Insurance & Risk Management	3
FIN 457 International Corporate Finance	3
FIN 458 Financial Management	3
FIN 499 Special Topics	
ACCT 301 Intermediate Accounting I	3
ACCT 302 Intermediate Accounting II	3
ACCT 303 Intermediate Accounting III	3
ACCT 311 Federal Tax I	3
ACCT 312 Federal Tax II	3
ECON 318 Money and Banking	3
ECON 411 Public Finance	<u>3</u>

### FINANCE MINOR (NEW)

FIN 353 Corporation Finance	3
FIN 355 Investments	3
FIN 357 Advanced Corporate Finance	3
FIN 360 Entrepreneurial Finance	3
FIN 455 Financial Institutions & Markets	3

**Select two courses from the following:**

FIN 443 Real Estate Finance	3
FIN 451 Insurance & Risk Management	3
FIN 457 International Corporate Finance	3
FIN 458 Cases in Finance	3
FIN 499 Special Topics	
ACCT 301 Intermediate Accounting I	3
ACCT 302 Intermediate Accounting II	3
ACCT 303 Intermediate Accounting III	3
ACCT 411 Taxation of Individuals	3
ACCT 412 Taxation of Business Entities	3
ECON 318 Money and Banking	<u>3</u>

Students: Please see your advisor about the new finance minor.

## New Marketing Minor

### Old Marketing Minor Requirements

BADM 321 Marketing	3
BADM 322 Professional Selling	3
BADM 323 Retailing	3
BADM 324 Integrated Marketing Communications	3
BADM 422 Consumer Behavior	3

*Select two courses from the following (6 cr.)*

BADM 421 Applied Business Research	3
BADM 427 International Marketing	3
BADM 499 Special Topics	3

### New Marketing Minor Requirements

BADM 120 Fundamentals of Business	3
BADM 301 Fundamentals of Management	3
BADM 321 Marketing	3
BADM 409 International Business	3
BADM 422 Consumer Behavior	3
BADM 424 Logistics & Channel Management	3
BADM 427 International Marketing	3

Students: Please see your advisor about the new marketing minor.

## New Management Minor

### Old Management Minor Requirements

BADM 301 Fundamentals of Management	3
BADM 303 Human Resource Management	3
BADM 408 Negotiations	3
BADM 436 Organizational Behavior P & P	3

*Select three courses from the following (9 cr.)*

BADM 309 Safety Management	3
BADM 401 Entrepreneurship/SBM	3
BADM 406 Professional Business Ethics	3
BADM 416 Production Management	3
BADM 434 Cultural Environment of Int'l Business	3
BADM 437 International Management	3
BADM 465 Strategic Management	3
BADM 499 Special Topics	3
BIT 320 Management Information Systems	3

### New Management Minor Requirements

BADM 120 Fundamentals of Business	3
BADM 301 Fundamentals of Management	3
BADM 321 Marketing	3
BADM 303 Human Resource Management	3
BADM 304 Entrepreneurship/SBM	3
BADM 409 International Business	3
BADM 436 Organizational Behavior P & P	3

Students: Please see your advisor about the new management minor.

## New Management Concentration

### Old Management Concentration Requirements

BADM 301 Fundamentals of Management	3
BADM 303 Human Resource Management	3

### *Select two courses from the following (6 cr.)*

BADM 205 Supervisory Management	3
BADM 309 Safety Management	3
BADM 401 Entrepreneurship/SBM	3
BADM 406 Professional Business Ethics	3
BADM 408 Negotiations	3
BADM 434 Cultural Environment of Int'l Business	3
BADM 436 Organizational Behavior P & P	3
BADM 437 International Management	3
BADM 499 Special Topics	3

### New Management Concentration Requirements

BADM 120 Fundamentals of Business	3
BADM 301 Fundamentals of Management	3
BADM 303 Human Resource Management	3
BADM 436 Organizational Behavior P & P	3

Students: Please see your advisor about the new management concentration.

**New Accounting Concentration**

**OLD ACCOUNTING CONCENTRATION**

**Accounting Concentration (12 cr)**  
ACCT 200 Elements of Accounting I 3  
ACCT 201 Elements of Accounting II 3

***Elect two from the following (6 cr)***  
ACCT 301 Intermediate Accounting 3  
ACCT 311 Federal Tax I 3  
ACCT 315 Not-For-Profit Accounting 3  
ACCT 321 Managerial Accounting 3

**NEW ACCOUNTING CONCENTRATION**

**Accounting Concentration (12 cr)**  
ACCT 200 Elements of Accounting I 3  
ACCT 201 Elements of Accounting II 3

***Elect two from the following (6 cr)***  
ACCT 301 Intermediate Accounting 3  
ACCT 315 Government/Non-Profit Accounting 3  
ACCT 321 Managerial Accounting 3  
ACCT 411 Taxation of Individuals 3

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Students: Please see your advisor about the new accounting concentration.

## New Marketing Concentration

### Old Marketing Concentration Requirements

BADM 321 Marketing	3
BADM 323 Retail Store Management	3

*Select two courses from the following (6 cr.)*

BADM 322 Professional Selling	3
BADM 324 Integrated Marketing Communications	3
BADM 326 New Product Development	3
BADM 327 Services Marketing	3
BADM 328 Direct Marketing	3
BADM 421 Applied Business Research	3
BADM 422 Consumer Behavior	3
BADM 499 Special Topics	3

### New Marketing Concentration Requirements

BADM 120 Fundamentals of Business	3
BADM 321 Marketing	3
BADM 422 Consumer Behavior	3
BADM 427 International Marketing	3

Students: Please see your advisor about the new marketing concentration.