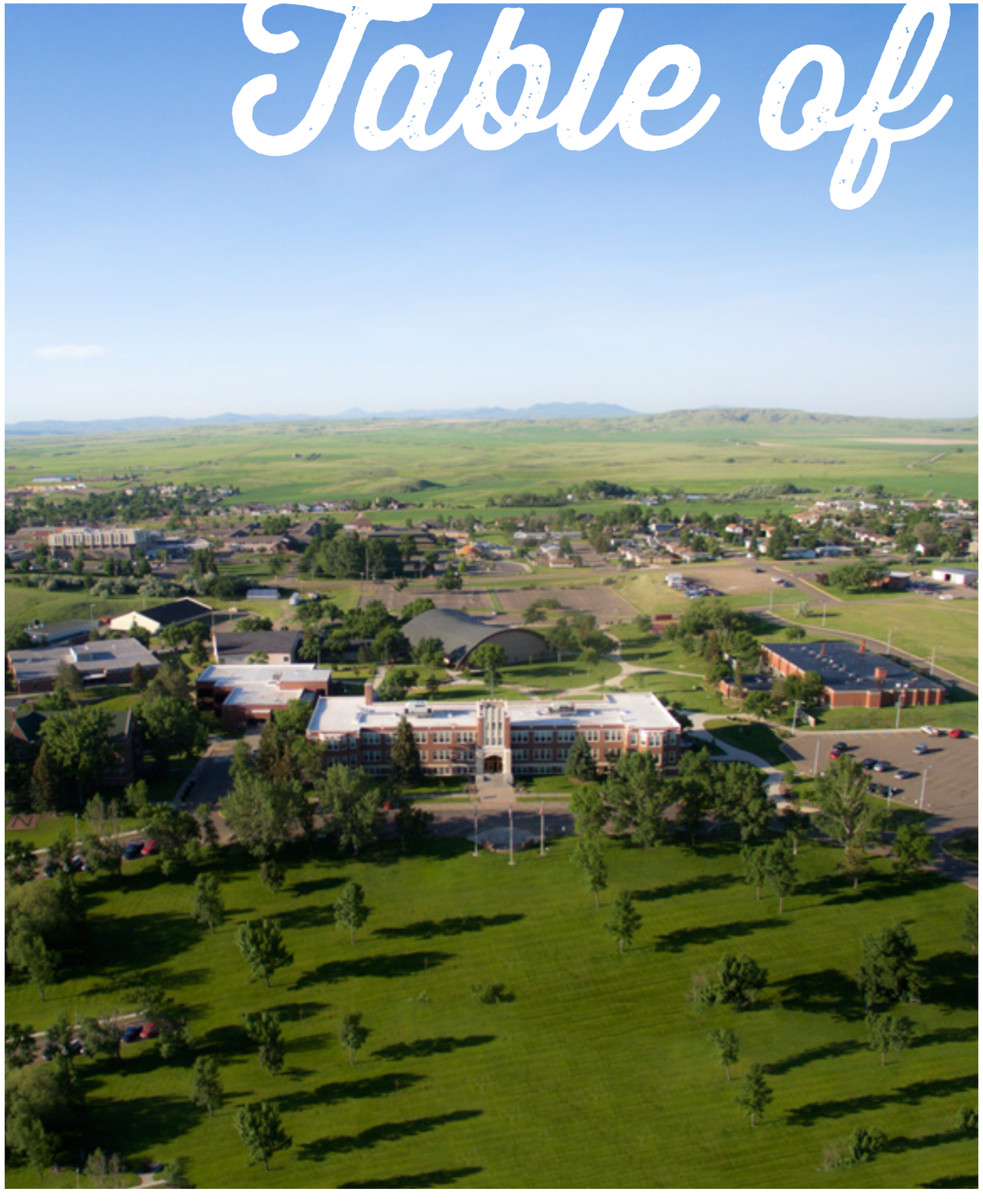
Appendix GGG

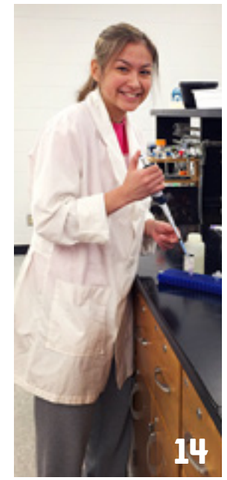
Academic Guide

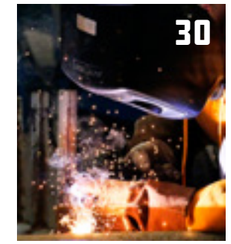
Montana State University NORTHERN

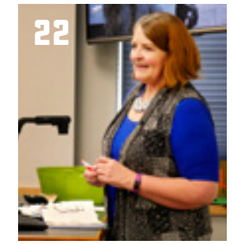
2016–2017 ACADEMIC GUIDE

Table of Contents. 2016-2017





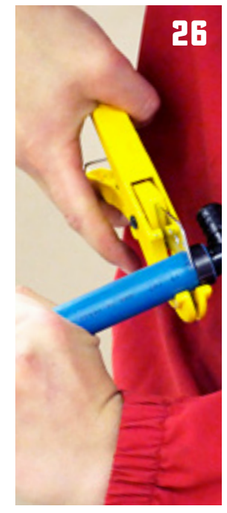


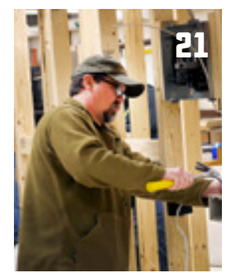


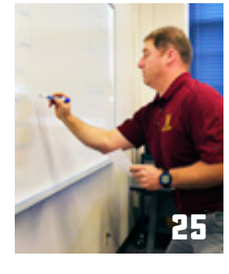
BE OUR GUEST:
Schedule a visit.

Page {6}

We believe nothing is better for a college search than a campus tour. Learn how to schedule your MSUN visit today!







Basics.

5 } COST BREAKDOWN
6 } DEGREES DEMYSTIFIED
7 } TIPS

Majors.

8 } GENERAL EDUCATION
10 } AGRICULTURE
11 } AUTOMOTIVE
12 } BUSINESS
14 } BIOLOGY
15 } COMMUNITY LEADERSHIP
16 } CIVIL ENGINEERING TECH
17 } CRIMINAL JUSTICE
18 } DIESEL
20 } DESIGN DRAFTING
21 } ELECTRICAL
22 } EDUCATION
24 } GRAPHIC DESIGN
25 } HEALTH PROMOTION
26 } PLUMBING
27 } MANUFACTURING
28 } NURSING
30 } WELDING
31 } MINORS
32 } GRADUATE PROGRAMS

Next Step.

34 } CHECKLIST FOR ADMISSIONS

THIS IS NOT A LEGALLY BINDING DOCUMENT. IT IS INTENDED FOR REFERENCE PURPOSES ONLY. MSU-NORTHERN DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, SEX OR DISABILITY.

Northern: THE BASICS

By the NUMBERS

AVERAGE CLASS SIZE: *16*
94% JOB PLACEMENT RATE
1234 STUDENT ENROLLMENT
19 HOLE DISC GOLF COURSE
9300 POPULATION OF HAVRE, MONTANA
MALE-TO-FEMALE RATIO: *52 to 48*
14:1 STUDENT/TEACHER RATIO
7 NAIA ATHLETIC PROGRAMS
115-ACRE CAMPUS

ESTIMATED COST OF ATTENDANCE 2016-17

All fees are subject to change. All fees and rates reflect US dollars.

Tuition and Fees (for 12-18 credits)			**Per Semester**
Resident	Undergraduate	Lower Division*	$2,460.74
	Undergraduate	Upper Division*	$2,909.72
	Graduate		$3,414.84
Non-Resident	Undergraduate	Lower Division*	$8,615.74
	Undergraduate	Upper Division*	$9,064.72
	Graduate		$9,569.84
WUE/Canadian**	Undergraduate	Lower Division*	$3,391.58
	Undergraduate	Upper Division*	$4,065.26

* Lower Division = First 60 credits. Upper Division = Over 60 credits.

**WUE (Western Undergraduate Exchange) rate applies to students from the following states who meet eligibility requirements: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming, and Commonwealth of the Northern Mariana Islands.

Residence Hall Rates	**Per Year**
Double Room	$2,360.00
Single Room	$2,590.00
Double as Single Room	$2,970.00
Res Net Fee (access to internet and cable)	$184.58
Student Family Housing: One-Bedroom Apartment	$4,920.00
Student Family Housing: Two-Bedroom Apartment	$5,760.00

Dining Hall Rates

The SUB Dining Hall is open Monday-Friday, 7 am to 7 pm, and Saturday-Sunday, 10 am to 5 pm. All students living in the residence halls are required to purchase a meal plan, which is non-transferable and does not roll over from week to week.

Meal Plan A	$75/week	$2,250/year
Meal Plan B	$90/week	$2,700/year
Meal Plan C	$110/week	$3,300/year
Meal Plan D	$135/week	$4,050/year

Northern: THE BASICS

Degrees Demystified

CERTIFICATE [UP TO 1 YEAR PROGRAM]
ASSOCIATE {2-YEAR DEGREES}

AS	ASSOCIATE OF SCIENCE
AA	ASSOCIATE OF ARTS
AAS	ASSOCIATE OF APPLIED SCIENCE

BACHELOR [4-YEAR DEGREE]

BA	BACHELOR OF ARTS
BAS	BACHELOR OF APPLIED SCIENCE
BS	BACHELOR OF SCIENCE
BSED	BACHELOR OF SCIENCE IN EDUCATION

MASTER [2-YEARS OF STUDY AFTER BACHELOR'S DEGREE]

MED	MASTER OF EDUCATION
MS	MASTER OF SCIENCE IN EDUCATION

Academic Calendar

MSUN has a semester schedule. We have Fall, Spring and Summer terms.

FALL SEMESTER 2016:
AUGUST 29 - DECEMBER 16

SPRING SEMESTER 2017:
JANUARY 10 - MAY 5

THANKSGIVING BREAK:
NOVEMBER 23 - NOVEMBER 27

WINTER BREAK:
DECEMBER 16 - JANUARY 10

SPRING BREAK
MARCH 11 - MARCH 19

TOP 5
College Facts and Tips

1. College graduates earn an average of $1 million more over their lifetimes than high school graduates.

2. Northern can fit your budget. You can get help paying for college by filling out the FAFSA (Federal Application For Student Aid). It's the key to loans, grants and work study. Ask Northern's Financial Aid office for more information and guidance.

3. Tap into Northern's Financial Success office to learn how to spend your loans wisely. Refund checks are for books, not shoes.

4. Don't wait until you fall behind to ask for help. Use the Learning Success Center, your professors or Student Support Services for help.

5. Go to class! You can't be successful if you don't show up.

Getting to Havre:

By plane Visitors can fly into the Great Falls Intl Airport and drive to Havre, or take a regional flight from Billings to Havre via Cape Air.

By train Havre is accessible on Amtrak's Empire Builder route. The campus is about 2 miles from the train station.

By car Havre is located at the intersection of Highway 87 and Highway 2 - 112 miles from Great Falls and 248 miles from Billings.

GENERAL EDUCATION

A WELL-ROUNDED FOUNDATION *for every student*

Our General Education program gives students who are undecided on a major the opportunity to fulfill the basic requirements while they determine which area of study to pursue in a four-year degree. The skills you'll gain with the courses in this two-year degree are valuable in any employment setting.

Program Available:
General Education, AA

Foundation Areas

COLLEGE LEVEL MATH
Math develops foundational skills to help you better analyze and solve problems in real life. Learn how to dissect, process, and draw conclusions in an orderly, rational way.

COMMUNICATIONS
Strong writing and communication skills will allow you to effectively interact with others and provide you the skills to confidently speak to a large group.

NATURAL SCIENCES
Your future life will be affected significantly by scientific thinking. Understand how to use scientific standards and methods of evaluation to make informed decisions by choosing from one of a group of college science courses, including biology, chemistry, geology, and geography.

SOCIAL SCIENCES AND HISTORY
Expand your understanding of today's society by studying history, psychology, sociology, and Native American culture.

HUMANITIES/FINE ARTS
Become familiar with art, literature, music, or philosophy in classes designed to give you a basic understanding of some of the oldest fields of study.

TECHNOLOGY
Stay current on the digital tools used in today's workplace with technology-specific courses.

LIBERAL ARTS

Program Available:
Liberal Studies, BA

Our Liberal Studies degree is designed to provide you with a flexible education emphasizing the humanities and social sciences. If you want a broad well-rounded education, our Liberal Studies program is a perfect fit.

Liberal Studies prepares you for career opportunities in the arts, writing, public relations, or the social services. It also provides an excellent springboard to graduate studies in art, humanities, or in professional fields, such as law.

APPLIED SCIENCE

Program Available:
Applied Science, BAS

The Bachelor of Applied Science degree provides Associate of Applied Science graduates with a clear path to a Bachelor's degree. This degree builds upon the foundation gained by completing an Associate of Applied Science without repeating any requirements.

The Bachelor of Applied Science Program has a high degree of flexibility, which allows you to pick your own focus areas from the College of Technical Science. You can use this degree to further your career in any technical field.

LARRY STRIZICH
DEAN OF COTS
BROCKMANN CENTER 201A
406-265-4157
STRIZICH@MSUN.EDU

AGRICULTURE OPERATIONS TECHNOLOGY

Today, agriculture is a lot more than cleaning stalls and milking cows.

Become a HIGH-TECH BUSINESS PROFESSIONAL in the world's largest industry.

To keep up with the rapidly changing and swiftly developing nature of the industry, Northern's Agriculture Operations Technology degree is **uniquely positioned to develop tomorrow's well-rounded agriculture professionals.** The program encompasses plant and animal science, range, animal, and crop production, and commodity marketing, while integrating state-of-the-art technology including GPS and GIS.

Located in the heart of Montana's ranching and farming communities, Northern's campus is close to many opportunities including the Northern Ag Research Center, a seed plant, and farm equipment dealers. Graduates find employment in ag business, manufacturing, implement dealerships, or in production agriculture.

Programs Available:

Agricultural Operations Technology, BS
Agricultural Technology, AAS
Agriculture Minor

WILLIAM DANLEY
BROCKMANN CENTER 210E
406-265-4154
DANLEY@MSUN.EDU

TOM WELCH
BROCKMANN CENTER 210M
406-265-4159
WELCH@MSUN.EDU

PROGRAM COURSES

AG COMMODITY MARKETING
AG MARKETING
AG PEST MANAGEMENT
AG TECHNOLOGY MANAGEMENT
AGRICULTURAL PLANT SCIENCE
CO-OP BUSINESS PRINCIPLES & PRACTICES
CROP PRODUCTION
GIS
GPS
INTRO TO AG COMPUTING
INTRO TO ANIMAL SCIENCE
INTRO TO FARM MANAGEMENT
LIVESTOCK FEEDING & NUTRITION
LIVESTOCK PRODUCTION
RANGELAND MANAGEMENT
SOIL & WATER MANAGEMENT
SOILS

AUTOMOTIVE TECHNOLOGY

Collect Certifications:

NATEF, ASE, FORD MLR, NC3

MSU-Northern's Automotive degree has comprehensive coursework, including all of the mechanical, fuel, and electronic systems of modern gas, diesel, and hybrid engines. **Emphasis is placed on hands-on learning** throughout all four years of the bachelor's degree. Earning a bachelor's degree opens the door to jobs as technical representatives, service managers, or specialized diagnosticians.

Northern's Automotive programs are all certified by NATEF (National Automotive Technicians Education Foundation). Preparation for Ford's Maintenance and Light Repair Program (MLR), National Coalition of Certification Centers (NC3), and Automotive Service Excellence (ASE) certification tests are built seamlessly into the curriculum.

PROGRAM COURSES

ALTERNATIVE AUTO POWER SYSTEMS
AUTO BREAKS
AUTO/DIESEL ELECTRONICS SYSTEMS I
AUTO/DIESEL ELECTRONICS SYSTEMS II
AUTO/DIESEL ELECTRONICS SYSTEMS III
AUTO ENGINE REPAIR
AUTO MANUAL DRIVE TRAIN/AXLES
AUTO REMOVE & REPLACE
AUTO STEERING & SUSPENSION
AUTOMATICS
COMPUTERIZED ENGINE CONTROL
CURRENT TRENDS IN MOBILITY TECH
DIAGNOSIS & TUNE-UP
DYN. TEST/COMPUTER DATA ANALYSIS
HEATING & AIR CONDITIONING
SHOP PROCEDURES

Programs Available:

Automotive Technology, BS
Automotive Technology, AAS
Automotive Technology, Fast Track, AAS
A 12-month accelerated Associate degree program
Automotive Technology Minor

WANE BOYSUN
WOLF POINT, MT
406-399-0020
BOYSUNW@MSUN.EDU

KEVIN HOLZWORTH
BROCKMANN CENTER 210U
406-265-4151
KEVIN.HOLZWORTH@MSUN.EDU

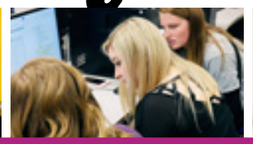
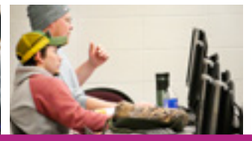
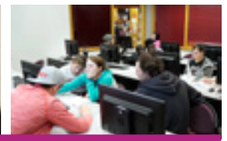
JOSHUA MEYER
BROCKMANN CENTER 210Q
406-265-4162
JOSHUA.MEYER3@MSUN.EDU

KEVIN RUBY
BROCKMANN CENTER 210N
406-265-4179
KEVIN.RUBY@MSUN.EDU

BUSINESS

A flexible path... to a solid foundation

Northern offers a variety of business degrees to serve a diverse set of needs. All business classes are **offered both online and face-to-face** to fit your needs.

Our Business degree is designed to fit your lifestyle and meet your educational goals. This degree is offered online and on campus. So you can earn your degree in a way that works for you.

To tailor the degree to your goals, the bachelor's degree requires a minor. Minors give students the opportunity to hone in on their personal interests. In addition to a suite of business-related minors, other minors are also available including technical minors (like diesel or agriculture operations) and community leadership (offered online).

Programs Available:

Business Administration, BS
Business Technology, BAS
Trades Management, BAS
Program of Study in Business, AS

Minors:

Marketing: Technical Sales and Service
Small Business Management
Accounting
Business Technology

New Program Highlight: TRADES MANAGEMENT

As management jobs in technical fields increasingly require a bachelor's degree, working professionals are looking for options to complete their degree while staying in the workforce. The Trades Management degree is a perfect choice.

This new-to-Northern program gives Associate of Applied Science graduates the opportunity to complete their Bachelor of Applied Science in just two years of online classes. With Northern's reasonable price tag and responsive faculty members, this program is a great option for any working professional looking to move up in their career.

Trades Management opens doors for new students too. New students looking to attend Northern for a technical degree can start their degree with two years of hands-on training on campus, and complete the Trades Management degree in the field at a distance.

PROGRAM COURSES

ADVANCED MARKETING APPLICATIONS
APPLIED BUSINESS LEADERSHIP
BUSINESS LAW
BUSINESS ETHICS
BUSINESS FINANCE
BUSINESS STATISTICS AND RESEARCH
COMMUNICATION
CREATIVE PROBLEM SOLVING
FINANCIAL ACCOUNTING
HUMAN RESOURCE MANAGEMENT
INTERNATIONAL BUSINESS
MANAGERIAL ACCOUNTING
MARKETING
MGMT INFORMATION SYSTEMS
MANAGEMENT AND ORGANIZATION
MICROECONOMICS
OPERATIONS MANAGEMENT
SEMINAR

BUSINESS-RELATED MINOR PROGRAM COURSES

HUMAN RESOURCE MANAGEMENT
PRINCIPLES OF MARKETING
CONSUMER BEHAVIOR
ADVANCED MARKETING APPLICATION
SALES AND SALES MANAGEMENT
ADVERTISING AND PROMOTION
CONSUMER SERVICE MANAGEMENT
RETAIL/DISTRIBUTORSHIP
SMALL BUSINESS MANAGEMENT
CONSUMER SERVICE MANAGEMENT
PRINCIPLES OF FINANCIAL ACCOUNTING
PRINCIPLES OF MANAGERIAL ACCOUNTING
VENTURE DEVELOPMENT

KEVIN CARLSON
GREAT FALLS, COT B105
406-771-4429
KCARLSON@MSUN.EDU

JAY HOWLAND
ELECTRONICS BUILDING 216
406-265-4186
HOWLAND@MSUN.EDU

BYRON OPHUS
BROCKMANN CENTER 210B
406-265-4193
BOPHUS@MSUN.EDU

RODNEY RIDENOUR
BROCKMANN CENTER 210F
406-265-4178
RODNEY.RIDENOUR@MSUN.EDU

MARY VERPLOEGEN
ELECTRONICS BUILDING 217
406-265-4182
VERPLOEGEN@MSUN.EDU

LANNY WILKE
BROCKMANN CENTER 210G
406-265-4165
WILKEL@MSUN.EDU

DR. BARBARA ZUCK
BROCKMANN CENTER 210C
406-265-4175
BARBARA.ZUCK@MSUN.EDU

Start here, GO ANYWHERE

With caring faculty and small classes, it's beneficial to get your start at Northern before continuing on to employment or graduate school in the areas of health sciences, wildlife biology, medicine, pharmacy, physical therapy, veterinary, or other related fields.

In the Biology program, faculty members become mentors who tailor the program to your specific career goals. The program features hands-on research experience and an in-the-field cooperative education internship experience. Field experience in the Bear Paw Mountains is also incorporated into the curriculum. The degree features a broad range of biology concepts from zoology to botany and anatomy to evolution to give students a well-rounded background.

Once you've earned your Biology degree, you can go anywhere!

PRE-DENTAL
PRE-MEDICINE
PRE-PHARMACY
PRE-PHYSICAL THERAPY
PRE-VETERINARIAN

Programs Available:
Biology, BS
Biology Minor

PROGRAM COURSES

COLLEGE CHEMISTRY I
COLLEGE CHEMISTRY I LAB
COLLEGE CHEMISTRY II
COLLEGE CHEMISTRY II LAB
COLLEGE PHYSICS I
COLLEGE PHYSICS I LAB
COLLEGE PHYSICS II
COLLEGE PHYSICS II LAB
EVOLUTION
GENERAL BOTANY
GENERAL BOTANY LAB
GENERAL ECOLOGY
GENERAL ECOLOGY LAB
MOLECULAR BIOLOGY & GENETICS + LAB
ORGANIC CHEMISTRY I
ORGANIC CHEMISTRY I LAB
PRINCIPLES OF LIVING SYSTEMS
PRINCIPLES OF LIVING SYSTEMS LAB
STATISTICS
UNDERGRADUATE RESEARCH I
ZOOLOGY
ZOOLOGY LAB

DR. CAROL REIFSCHNEIDER
COWAN HALL 105
406-265-3735
REIFSCHNEIDER@MSUN.EDU

VICKIE CLOUSE
HAGENER SCIENCE CENTER 219
406-265-3759
CLOUSEV@MSUN.EDU

DR. TERRI HILDEBRAND
HAGENER SCIENCE CENTER 205
406-265-3329
TERRI.HILDEBRAND@MSUN.EDU

DR. GARY SUCCAW
HAGENER SCIENCE CENTER 207
406-265-4153
GARY.SUCCAW@MSUN.EDU

Be the change.

Are you ready to make a difference? MSU-Northern's Community Leadership degree prepares leaders who are committed to making a positive impact throughout their meaningful careers. The program is aimed at students who want to be involved in their communities and help others realize their potential.

Community Leadership students work in areas like youth services, nonprofit organization planning and development, substance abuse prevention, policy advocacy, grant writing, domestic abuse prevention, and childhood enrichment. Other Community Leadership students continue their education with graduate degrees in law, social work, counseling, or public administration.

Programs Available:
Community Leadership, BA
Community Leadership Minor

PROGRAM COURSES

ASSESSMENT & DESIGN OF COMMUNITY PROGRAMS
COMMUNICATIONS & CONFLICT
COOPERATIVE EDUCATION
EVALUATION OF COMMUNITY-BASED PROGRAMS
FOUNDATIONS IN NONPROFIT SERVICE
INTRO TO COMMUNITY LEADERSHIP
INTRO TO PSYCHOLOGY
INTRO TO SOCIOLOGY
MANAGEMENT PLANNING FOR NONPROFITS
MANAGING THE NONPROFIT ORGANIZATION
NONPROFIT GRANT WRITING
PRINCIPLES OF ORGANIZATIONAL COMMUNICATION
PUBLIC RELATIONS WRITING
SEMINAR IN COMMUNITY LEADERSHIP
SMALL GROUP COMMUNICATION

DR. KATHERINE WILLIAMS
COWAN HALL 312C
406-265-3522
KWILLIAMS@MSUN.EDU

THE PATHWAY
TO A CAREER IN ENGINEERING

Our Civil Engineering Technology (CET) program is ABET-accredited and prepares you for a career as an engineer or technician in engineering firms, government agencies, or with contractors. CET graduates are eligible to sit for the Fundamentals of Engineering (FE) exam for an engineer in training certification.

The goal of our program is to develop professionals who truly have a hand in designing and maintaining the infrastructure of the world. Like all of Northern's programs, CET offers hands-on experience and guidance from faculty who build on your passions.

Programs Available:
Civil Engineering Technology, BS

DR. ELEAZER RESURRECCION
ELECTRONICS TECH. 206
406-265-3540
ELEAZER.RESURRECCION@MSUN.EDU

JEREMY SIEMENS
ELECTRONICS TECH. 207
406-265-4132
JSIEMENS@MSUN.EDU

PROGRAM COURSES

AC/DC ELECTRONICS
APPLIED CALCULUS
APPLIED MECHANICS
APPLIED MECHANICS OF FLUIDS
APPLIED STRENGTH OF MATERIALS
ARCHITECTURAL CONSTR & MATERIALS
CALCULUS I
CAPSTONE: SENIOR PROJECT
CIVIL DRAFTING
COLLEGE ALGEBRA
COLLEGE PHYSICS 1 + LAB
CONSTR MGMT & BID ESTIMATION
DESIGN/DETAILS OF STEEL BUILDINGS
ENGINEERING ECONOMICS ANALYSIS
ENTERPRISE RESOURCE PLANNING
HIGHWAY DESIGN
INDUSTRIAL SAFETY/WASTE MGMT
INTRO TO CAD
INTRO TO GENERAL CHEMISTRY + LAB
INTRO TO SURVEYING FOR ENGINEERS
INTRO TO TECHNOLOGY
QUALITY ASSURANCE
REINFORCED CONCRETE DESIGN DETAILS
SOIL & FOUNDATIONS
STRUCTURAL ANALYSIS
TECHNICAL EDITING
TECHNICAL GRAPHICS I
TRIG & COMPLEX NUMBERS

YOUR FUTURE ON YOUR SCHEDULE

Criminal Justice is Northern's **fastest growing major**, for good reason.

Northern's Criminal Justice program is offered entirely online or a combination of both online and on-campus courses, **giving you the options needed to fit into your busy life**. Whether you are currently a professional looking to expand your opportunities through education or you are interested in starting a career in criminal justice, this program is designed to work for you.

The program provides a streamlined transition from either a 2-year community college, the Montana Law Enforcement Academy, or other approved academies. Students can also receive credit for previous military training or other experiential learning through Northern's Prior Learning Assessment Program.

Northern's fully accredited bachelor's degree provides the practical knowledge needed for a career as a police officer, corrections officer, probation officer, parole officer or game warden. Some students also continue to law school.

Programs Available:
Criminal Justice, BS
Criminal Justice Minor

PROGRAM COURSES

ABNORMAL PSYCHOLOGY
ADMIN. OF JUVENILE JUSTICE SYSTEM
AMERICAN CRIMINAL LAW
COMMUNICATION & CONFLICT
CRIMINAL JUSTICE CO-OP
DEVELOPMENTAL PSYCHOLOGY
DEVIANCE & SOCIAL CONTROL
FEDERAL INDIAN LAW & POLICY
INTRO TO AMERICAN GOVERNMENT
INTRO TO CORRECTIONS
INTRO TO CRIMINAL JUSTICE
INTRO TO CRIMINOLOGY
INTRO TO PSYCHOLOGY
INTRO TO PUBLIC SPEAKING
INTRO TO SOCIOLOGY
INTRO TO STATE & LOCAL GOVERNMENT
POLICE ORGANIZATION AND BEHAVIOR
VICTIMOLOGY

CRISTY OZBURN
COWAN HALL 304
406-265-4169
CRISTY.OZBURN@MSUN.EDU

DR. SAMANTHA BALEMBA-BROWNLEE
COWAN HALL 306E
406-265-3528
S.BALEMBABROWNLEE@MSUN.EDU

(NOT PICTURED)

DR. JACK BIEGER
COWAN HALL 306D

Nationally Recognized

And don't just to take our word for it. Consider that companies like GE, BNSF and Kiewit have donated millions of dollars to our program in the last couple of years.

These companies donate to our program because they know the employees they get out of the program are **trained like none other.** If diesel is your passion, look no further because Northern is the right school for you. Northern's Diesel Bachelor of Science program is nationally respected and well-established. The program is carefully designed to develop graduates tailor-made for employer needs. As a result, our graduates are in high demand and many of our students receive multiple job offers prior to graduation.

The goal of the 4-year program is to develop all-around generalists. By learning the principles and the systems, theories can be applied across brand names: CAT, John Deere, Case-IH, or Komat'su. You will be prepared to enter a variety of diesel applications including: power generation, forestry, extractive, locomotive, agriculture, or marine.

The degree features two specialization options to tailor the degree to your goals. The Field Maintenance option enhances welding and fabrication skills for work in construction or working off-site. The Equipment Management option focuses on business and accounting skills for management positions. Cooperative credits allow you to apply your education while earning money and college credit. Northern's career center will help place you for your cooperative education.

Programs Available:

Diesel Technology, BS

Diesel Technology, AAS

Diesel Technology, Certificate

Agriculture Mechanics, AAS

A 2-year program specializing in diesel equipment for farms and ranches

Optional Concentrations for Bachelor of Science:

Field Maintenance

Equipment Management

Diesel Technology Minor

Ag Mechanics Technology Minor

"THE DEMAND FOR 4-YEAR DIESEL GRADUATES IN DIESEL TECHNOLOGY CANNOT BE OVERESTIMATED. NORTHERN CONTINUES TO PROVIDE EMPLOYERS WITH GRADUATES THAT CAN MEET THE CHALLENGES OF TODAY'S INDUSTRY."

-BILL CRANDALL
VICE PRESIDENT, MODERN MACHINERY

ABOVE: Students work on a baler in the Applied Technology Center, one of two state-of-the-art facilities on campus. At any time, there is $3-5 million of new diesel equipment on campus for you to learn on. You will use current industry computer software and test tools. Employers appreciate that Northern students enter the workforce trained on the newest electronics and equipment.

PROGRAM COURSES

ADVANCED FUEL SYSTEMS
AUTO/DIESEL ELECTRONIC SYSTEMS I
AUTO/DIESEL ELECTRONIC SYSTEMS II
AUTO/DIESEL ELECTRONIC SYSTEMS III
AUTOMATICS
CURRENT MODEL YR TECH (CAPSTONE)
DIESEL ENGINE DIAG. & REPAIR
DIESEL SHOP MANAGEMENT
DIESEL SHOP PRACTICES
FUELS AND LUBRICANTS
HEATING & AIR CONDITIONING
HEAVY DUTY CHASSIS
HEAVY DUTY POWER TRAINS
INTRO TO DIESEL ENGINES
INTRO TO DIESEL FUEL SYSTEMS
INTRO TO HYDRAULICS & PNEUMATICS
MACHINING
POWER SHIFTS/HEAVY DUTY AUTOMATICS
REPAIR & MAINTENANCE WELDING
SHOP PROCEDURES
WELDING THEORY I + PRACTICAL

STEVEN DON
CHAIR OF COTS
BROCKMANN CENTER 210T
406-265-4185
SDON@MSUN.EDU

GREG CLOUSE
BROCKMANN CENTER 210O
406-265-4187
CLOUSEG@MSUN.EDU

JEREMY HOFMAN
BROCKMANN CENTER 210P
406-265-4128
JEREMY.HOFMAN@MSUN.EDU

WILL TAYLOR
BROCKMANN CENTER 210L
406-265-4158
WILLIAM.TAYLOR5@MSUN.EDU

DESIGN DRAFTING TECHNOLOGY

LEARN TIMELESS FUNDAMENTALS... ON A 3-D PRINTER

While the fundamentals of technical drawing remain constant, the tools used to produce technical drawings are ever-evolving. In response to these changes, our program strives to incorporate the latest technology. Our 2-year program has an emphasis on computer-aided design with courses covering technical animation, simulation, and multimedia design and development. As a student in the Design Drafting program, you will have the opportunity to utilize Northern's 3D printer for projects with practical applications.

Program Available:
Design Drafting Technology, AAS

PROGRAM COURSES

3D CAD
APPLIED MECHANICS
ARCHITECTURAL CONSTRUCTION & MATERIALS
ARCHITECTURAL DRAFTING
CIVIL DRAFTING
COLLEGE PHYSICS
DESCRIPTIVE GEOMETRY
INTRO TO CAD
INTRO TO SURVEYING FOR ENGINEERS
MACHINE DRAFTING
MACHINING
MANUFACTURING PROCESSES & MATERIALS
TECHNICAL GRAPHICS
TRIGONOMETRY & COMPLEX NUMBERS

AARON RIGGIN
BROCKMANN CENTER 104L
406-265-3778
AARON.RIGGIN@MSUN.EDU

Program Available:
Electrical Technology, AAS

APPRENTICESHIP HEAD START

MSU-Northern's Electrical Technology program is the only program in the state to offer an Associate of Applied Science in conjunction with the State of Montana Apprenticeship program. All electricians are required to fulfill an 8,000-hour apprenticeship program, and this degree fulfills up to 3,115 hours of that program.

As a graduate of this 2-year program, you can begin your career as an apprentice electrician or continue your education in electrical engineering or trades management.

Opportunities for you include careers in engineering consulting, electrical distribution and sales, electrical estimating, electrical maintenance and construction, or as a self-employed electrician.

JAMES KIRKPATRICK
BROCKMANN CENTER 207
406-265-4164
JAMES.KIRKPATRICK@MSUN.EDU

TRYGVE "SPIKE" MAGELSSEN
BROCKMANN CENTER 209A
406-265-4123
TRYGVE.MAGELSSEN@MSUN.EDU

PROGRAM COURSES

AC MEASUREMENTS
ALTERNATING CURRENT THEORY
BASIC WIRING
COMMERCIAL WIRING LAB
CONDUIT/RACEWAYS/CODE CALC. LAB
ELECTRIC CODE STUDY-RESIDENTIAL
ELECTRIC METERS & MOTORS
ELECTRIC MOTOR CONTROLS
ELECTRICAL CODE STUDY/CODEOLOGY
ELECTRICAL DESIGN & LIGHTING
ELECTRICAL DRAFTING
ELECTRICAL FORMULAS/CALCULATIONS
ELECTRICAL FUNDAMENTALS I
ELECTRICAL FUNDAMENTALS II
ELECTRICAL PLANNING & ESTIMATING
ELEMENTARY TECHNICAL WRITING
FIRST AID & CPR
GROUNDING/BONDING FUNDAMENTALS
INDUSTRIAL ELECTRICAL WIRING
INDUSTRIAL SAFETY/WASTE MANAGEMENT

EDUCATION

Don't Call it a Comeback

Education degrees at Northern aren't new, they are MSU-Northern's legacy: one of the vertical lines in our seal represents teacher training. **The Hi-Line community passionately supports Northern's Education programs because the region's youth are educated by Northern alums.** Local schools depend on our grads and today, Northern's Education programs are stronger than ever.

Northern currently offers a variety of Education degrees including Elementary, Secondary, and graduate level programs. Our Elementary Education degree prepares students with all of the skills needed to teach kindergarten through eighth grade. The program is available both on the Havre campus and through video conferencing on the Great Falls College campus. Northern's Secondary Education programs feature hands-on learning through field practicums and student teaching experiences. The job market for all of these degrees is steady.

FEATURED FACULTY: Dr. Fred Smiley

2015 U.S. Professor of the Year Runner-Up

Dr. Fred Smiley is known for going above and beyond. It's no wonder he was nominated for U.S. Professor of the Year. Smiley frequently brings snacks to share in class and calls his students to check in if they miss his class. Though he is a very supportive faculty member, he is also known for pushing students to their academic limits.

COWAN HALL 104C 406-265-3518 FREDRICK.SMILEY@MSUN.EDU

Programs Available:

Elementary Education (K-8), BSEd

Offered on the Havre and Great Falls campuses

Secondary Education Options:

Health and Physical Education (K-12), BSEd

General Science (5-12), BSEd

Minors:

Reading Specialist Minor

Art (K-12) Minor

Traffic Education (5-12) Minor

Traffic Education, Certificate

The only program in the state, offered during the summer session for continuing education

MAUREEN ODEGARD
COWAN HALL 104E
406-265-3751
MAUREEN.ODEGARD@MSUN.EDU

VIRGINIA BRAITHWAITE
COWAN HALL 104F
406-265-3757
VIRGINIA.BRAITHWAITE@MSUN.EDU

ELEMENTARY EDUCATION PROGRAM COURSES

ADVANCED PRACTICUM
ASSESSMENT IN EDUCATION
BASIC HUMAN BIOLOGY + LAB
CLASSROOM MANAGEMENT
CORR. & REM. STRATEGIES IN ELEM. READING
CULTURE, DIVERSITY & TECH IN GLOBAL ED.
DEV. PSYCH.
DISCOVER BIOLOGY + LAB
ED. & PSY. OF EXCEPTIONAL CHILDREN
INTEGRATING IDEA ACROSS THE CURRICULUM
INTEGRATING TECH IN EDUCATION
INTRO TO AMERICAN GOV.
INTRO TO CURRICULUM PLANNING + PRACTICE
INTRO TO EDUCATION PSYCHOLOGY
INTRO TO EDUCATION W FIELD EXPERIENCE
MATH FOR ELEMENTARY TEACHERS I
METHODS OF TEACHING INT. LANG. ARTS
METHODS: K-8 HEALTH ENHANCEMENT
METHODS: K-8 INT ARTS/ALL LEARNERS
METHODS: K-8 MATHEMATICS
METHODS: K-8 SCIENCE
MONTANA HISTORY
PERSONAL HEALTH + WELLNESS
READING MATERIALS FOR THE ELEM. CHILD
STUDENT TEACHING K-8

DR. JOEY TODD
COWAN HALL 104D
406-265-3524
JOSEPH.TODD1@MSUN.EDU

SECONDARY EDUCATION PROGRAM COURSES

ENGLISH (5-12)

ADVANCED PRACTICUM
ENGLISH LANGUAGE
INTRO TO AMERICAN LITERATURE
LANGUAGE REQUIREMENT I AND II
LIT FOR CHILD & ADOLESCENTS
LITERARY CRITICISM
METHODS: 5-12 ENGLISH
NATIVE AMERICAN LITERATURE
SHAKESPEARE
WESTERN CIVILIZATION

GENERAL SCIENCE (5-12)

COLLEGE CHEMISTRY I + LAB
COLLEGE CHEMISTRY II + LAB
COLLEGE PHYSICS I + LAB
COLLEGE PHYSICS II + LAB
EVOLUTION
FOUNDATIONS OF EDUCATION
GENERAL BOTANY + LAB
GENERAL ECOLOGY + LAB
GENERAL HYDROLOGY
INTRO TO PHYSICAL GEOGRAPHY
INTRO TO PHYSICAL GEOLOGY + LAB
METHODS OF TEACHING SECONDARY SCIENCE
PRINCIPLES OF LIVING SYSTEMS + LAB
ZOOLOGY + LAB

HEALTH AND PE (K-12)

BASIC HUMAN BIOLOGY + LAB
CLASSROOM MANAGEMENT
COMMUNITY HEALTH
CULTURES, DIVERSITY & ETHICS IN GLOBAL ED.
CURRICULUM PLANNING IN HEALTH EDUCATION
EXERCISE PHYSIOLOGY
HEALTH ENHANCEMENT FOR ELEMENTARY ED.
HUMAN ANATOMY & PHYSIOLOGY I + LAB
INTEGRATING TECH IN EDUCATION
INTRO TO EDUCATION W FIELD EXPERIENCE
KINESIOLOGY & BIOMECHANICS
METHODS OF ADAPTED HEALTH EDUCATION
METHODS OF HEALTH EDUCATION
METHODS OF LIFETIME FIT ACTIVITIES
MONTANA HISTORY
OPPORTUNITIES IN HEALTH PROFESSIONS
PE IN ELEMENTARY SCHOOL

SOCIAL SCIENCE BROADFIELD (5-12)

AMERICAN CONSTITUTIONAL LAW
AMERICAN HISTORY
AMERICAN HISTORY II
INTERNATIONAL RELATIONS
INTRO TO AMERICAN GOV.
INTRODUCTION TO POLITICAL THEORY
LANGUAGE REQUIREMENT
METHODS OF TEACHING HISTORY & SOCIAL SCIENCE
MONTANA HISTORY
NATURAL SCIENCE
SOCIAL SCIENCE COURSES
SR. CAPSTONE: HISTORICAL METHODOLOGY
WESTERN CIVILIZATION I

5-12 EDUCATION CORE

The following classes are required for all secondary education majors (including PE):

ASSESSMENT IN EDUCATION
CONTENT AREA LITERACY
DEVELOPMENTAL PSYCHOLOGY
EDUC. & PSYCH. OF EXCEPTIONAL CHILDREN
INTEGRATING TECH IN EDUCATION
INTRO TO CURRICULUM PLANNING AND PRACTICE
INTRO TO EDUCATION PSYCHOLOGY
INTRO TO EDUCATION WITH FIELD EXPERIENCE
PERSONAL HEALTH AND WELLNESS
STUDENT TEACHING

GRAPHIC DESIGN

YOUR ONLY LIMIT *Is Your Imagination*

Program Available:
Graphic Design, BS

Northern's Graphic Design program starts by building a foundation with drawing, design, and painting courses to develop perceptual and visual conception skills. You will apply this foundational design knowledge in practical applications on industry software using typography, illustration, and photography. You will work on these projects in an up-to-date computer lab of Apple computers, referred to on campus as "the Mac lab".

The 4-year Graphic Design program culminates in the presentation of a professional portfolio to a faculty panel. **You will present your portfolio as a demonstration of a your growth and abilities.** The portfolio is a tool that graduates can use in applying for professional employment.

Students graduating from this program are prepared for careers in design for businesses, nonprofits, or commercial printers. Other career options include advertising illustration or design, technical illustration, web design, TV graphic design or product package design.

PROGRAM COURSES

2-D FOUNDATIONS I
ART HISTORY OF W. CIVILIZATION
ELECTRONIC DESIGN I
ELECTRONIC DESIGN II
GRAPHIC DESIGN APPLICATIONS
GRAPHIC DESIGN I
GRAPHIC DESIGN II
GRAPHIC DESIGN III
ILLUSTRATION I
ILLUSTRATION II
INTRO TO LITERATURE
INTRO TO PHOTOGRAPHY
INTRO TO SOCIAL SCIENCE
PAINTING I
PHOTOGRAPHY II
VISUAL LANGUAGE - DRAWING I
WATERCOLOR I
WESTERN CIVILIZATION II

S. NORTON PEASE
CHAIR OF CEASN
PERSHING HALL 105
406-265-3596
NPEASE@MSUN.EDU

JOEL SOISETH
PERSHING HALL 203
406-265-3501
SOISETH@MSUN.EDU

HEALTH PROMOTIONS

MAKE WELLNESS YOUR BUSINESS

The Health Promotion (HP) program is an interdisciplinary program that teaches **exercise science, community health education, and wellness throughout the lifespan.**

You will focus on exercise science, health education, and business to be prepared for work in the following: local, state, and federal health department agencies, health and fitness clubs, corporate wellness, university fitness centers, and athletic strength training and conditioning centers.

The program prepares you to sit for National Certification Exams including: Certified Health Education Specialist (CHES), ACSM's Health Fitness & Specialist (HFS), and Certified Strength and Conditioning Specialist (CSCS).

PROGRAM COURSES

ADVANCED EXERCISE TESTING & PRESCRIPTION
ANATOMY AND PHYSIOLOGY I + LAB
BASIC HUMAN BIOLOGY + LAB
BASIC HUMAN NUTRITION
COMMUNITY HEALTH
COOPERATIVE EDUCATION
ETIOLOGY OF DISEASE
EXERCISE PHYSIOLOGY
FIRST AID & CPR
FITNESS AND WELLNESS SKILL
INTRO TO PSYCHOLOGY/SOCIOLOGY
KINESIOLOGY AND BIOMECHANICS
OPPORTUNITIES IN HEALTH PROFESSIONS
PERSONAL HEALTH AND WELLNESS
PREVENTION AND CARE OF ATHLETIC INJURIES
PROGRAM PLANNING FOR COMMUNITY HEALTH
SAFETY EDUCATION
SEX EDUCATION
THEORY PRACTICE OF COMM HEALTH ED

Programs Available:
Health Promotion, BS
Health Promotion Minor

DR. PETER HART
GYM 229D
406-265-3719
PETER.HART@MSUN.EDU

DR. CHAD SPANGLER
GYM 229C
406-265-3514
CHAD.SPANGLER@MSUN.EDU

PLUMBING

TAKE ANOTHER LOOK

at joining this important and diverse career field

Plumbing is a large industry, employing more than 1.5 million people in the US. Plumbers play an important role in urban development, keeping our water clean and making it possible for people to live in any climate. The plumbing industry is much more diverse than people realize. Plumbers are also vital for HVAC (Heating, Ventilating, and Air Conditioning) and construction projects.

Our innovative Plumbing degree is the only one of its kind in the state and has the broad support of Montana's plumbing industry. **Graduates enter into one of the largest and highest paid construction careers in the country**. A career in plumbing provides a stable job with opportunities for advancement.

Students choose Northern's Plumbing program over an apprenticeship with a local plumber because the degree teaches basic skills in hands-on courses. The program provides a major portion of the academic requirements of the plumbing apprenticeship program, so time spent in the classroom and labs may be applied to your total apprenticeship hours. Upon graduation, you will start your career at a higher skill and wage level than a person that has not completed this degree.

Programs Available:
Plumbing, AAS
Plumbing, Certificate

"I HAVE SERVED ON THE ADVISORY BOARD FOR THE PROGRAM FROM THE CONCEPTION OF THE PLUMBING TECHNOLOGY PROGRAM AND AM EXCITED THAT **NORTHERN IS PROVIDING WELL-TRAINED, QUALIFIED PLUMBING GRADUATES** TO THE OWNERS OF PLUMBING AND HEATING SHOPS THROUGHOUT THE STATE."

-MARK WALDENBERG
CENTRAL PLUMBING AND HEATING

PROGRAM COURSES

AC/DC ELECTRONICS
ADVANCED BLUEPRINT READING
BASIC RIGGING
ENERGY MANAGEMENT
FIRST AID & CPR
HANGERS, SUPPORTS & FIELD TESTING
HYDRONIC HEATING & COOLING SYSTEMS
INDUSTRIAL SAFETY & WASTE MANAGEMENT
INTRO TO CONTROL CIRCUIT TROUBLESHOOTING
INTRO TO PIPING SYSTEMS
INTRO TO PLUMBING & DRAWING
INTRO TO PLUMBING FIXTURES
INTRO TO PLUMBING TRADES
PIPE FITTING TOOLS/MOTORIZED EQUIPMENT
PLUMBING CODES
SPECIAL PIPING
SYSTEM STARTUP & SHUTDOWN
TECHNICAL GRAPHICS I
WELDING THEORY I + PRACTICAL

LORREN SCHLOTFELDT
BROCKMANN CENTER 207
406-265-3567
LORREN.SCHLOTFELDT@MSUN.EDU

MANUFACTURING

A HANDS-ON START

The Manufacturing program prepares you for employment as a technician or manager in the manufacturing industry. Our manufacturing graduates enter the workforce with the skills necessary to design, develop, and construct for implement manufacturing facilities, production companies, engineering firms, and small businesses across the country.

The curriculum is a mix of hands-on classes in welding, machining, CAD, manufacturing processes, and technical graphics. The program also provides a solid foundation in business, computers, writing, and math to support graduates throughout their career.

Program Available:
Manufacturing, AAS

PROGRAM COURSES

CNC MACHINING
FOUNDATIONS OF PHYSICAL SCIENCE + LAB
INDUSTRIAL SAFETY/WASTE MANAGEMENT
INTRO TO BUSINESS
INTRO TO CAD
INTRO TO COMPUTERS
INTRO TO PUBLIC SPEAKING
MACHINE DRAFTING
MACHINING
MANUF. PROCESSES & MATERIALS
MIG/TIG WELDING
PRACTICUM: WELDING
REPAIR & MAINT. WELDING
SHIELDED METAL ARC WELDING
TECHNICAL GRAPHICS
WELDING QUALIFICATION
WELDING THEORY I + PRACTICAL

AARON RIGGIN
BROCKMANN CENTER 104L
406-265-3778
AARON.RIGGIN@MSUN.EDU

NURSING

Accredited, Acclaimed

Programs Available:
Nursing, ASN
Nursing, RN-BSN

Get your start in the "helping career" of nursing at a school with every possible accreditation, so your efforts are recognized everywhere. The Northern Nursing Associate of Science degree is approved by the Montana State Board of Nursing, and our RN-BSN completion program follows the Rules and Statutes of the Montana State Board of Nursing. Both programs are accredited by the Accreditation Commission for Education in Nursing (ACEN).

The ASN program typically takes about three years including a year of pre-nursing coursework. Pre-nursing students must apply to the Nursing program after completing the requirements, and students who have completed the requirements from other universities are also able to apply to the Northern ASN program (see next page for more details).

Upon graduation from the ASN program, students are eligible to sit for the National Council Licensure RN Examination (NCLEX-RN). After passing the NCLEX, graduates are entitled to become a Registered Nurse (RN) and enter the workforce as an advanced beginner.

Our online RN-BSN completion program is the only one of its kind in the state. It builds upon the ASN education in the areas of nursing leadership and management, community health, and advanced clinical practice. As a BSN becomes the new standard in nursing, students appreciate the flexibility of the online, 4-semester RN-BSN completion program.

ABOVE: Recent Nursing graduates light a candle to honor Florence Nightengale, founder of modern nursing and recite the International Council of Nurses Pledge. This ceremony is hundreds of years old and features loved ones placing a pin on each graduate. The Nurses Pinning Ceremony is a rite-of-passage for all graduates of the Nursing Program.

ASN GUIDELINES

Each summer, a cohort of ASN students is selected from a pool of applicants. Here is some information about the selection process:

- Applications will be accepted May 1st through June 15th, 2017.
- A minimum cumulative GPA of 2.50 and an extracted GPA of prerequisites 2.85 is required to be admitted.
- If taking prerequisites during the spring semester, wait for grades before completing the application.
- The KAPLAN Entrance Exam, requires a score of 65% or higher prior to applying.
- The KAPLAN Entrance Exam can be taken a second time if there are testing days available.
- Accepted applicants will be notified by email the first of July.

For more information, please reach out the Northern Nursing department at 406-265-4196.

RN-BSN GUIDELINES

- Applications are accepted each semester (summer, fall, spring.)
- A minimum GPA of 2.25 is required to apply.
- An ASN degree is also required.
- Must have current RN license or have a date scheduled to take the NCLEX.

DR. JANICE STARR
NURSING DIRECTOR
COWAN HALL 309
406-265-3749
JANICE.STARR@MSUN.EDU

ARLYS WILLIAMS
CHAIR, ASN PROGRAM
COWAN HALL 315D
406-265-3554
AWILLIAMS@MSUN.EDU

PAM CIVILETTI
COWAN HALL ROOM 315J
406-265-3538
PAMELA.CIVILETTI@MSUN.EDU

AMY CROWDER-KLOBOFSKI
COWAN HALL 315E
406-265-4149
AMY.CROWDER@MSUN.EDU

JAIME DUKE
COWAN HALL 315E
406-265-3582
JAIME.DUKE@MSUN.EDU

DR. VONNIE PATTISON
COWAN HALL 315C
406-265-3533
VPATTISON@MSUN.EDU

KASTHURI UDAYAKUMAR
COWAN HALL 315G
406-265-3529
KASTHURI.UDAYAKUMAR@MSUN.EDU

YOUR FUTURE IS SO BRIGHT YOU GOTTA WEAR *a Welding Mask*

This 9-month certificate **prepares you for successful employment as a welder, cutter, fabricator, plant maintenance personnel, or supervisor.** The program covers topics including oxy-acetylene welding and cutting, brazing, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, and CNC plasma arc cutting. Because this is a certificate program, students are not required to take any general courses in writing or math during this program. Students are able to focus entirely on their welding-related skills throughout this short program.

In the program, students can test to become certified in the American Welding Society (AWS) Structural Welding Code to demonstrate their up-to-date knowledge of industry standards.

Many Northern students obtain this certificate in addition to one of our College of Technical Sciences 2-year degrees or 4-year degrees to demonstrate their wide skill set and add to their hireability upon graduation.

PROGRAM COURSES

INTRO TO PUBLIC SPEAKING
MIG/TIG WELDING
PRACTICUM: WELDING
REPAIR AND MAINTENANCE WELDING
SHIELDED METAL ARC WELDING
TECHNICAL GRAPHICS I
WELDING QUALIFICATION TEST PREP
WELDING THEORY I
WELDING THEORY I PRACTICAL

Program Available:
Welding Technology, CAS

CARISSA RAY
ELECTRONICS BUILDING 210R
406-265-4163
CARISSA.BROWN1@MSUN.EDU

CHARLES (CHUCK) TERRY
ELECTRONICS BUILDING 210
406-265-4183
CHUCK.TERRY@MSUN.EDU

TAILORED TO *Perfection*

All Northern bachelor programs can be combined with a minor, and many programs require a minor. Teaching minors are 20 credits (usually around 6-7 classes) and non-teaching minors are 14 credits (about 4-5 classes). Like majors, the classes required for each minor are listed on your program sheet and are best chosen with the help of an academic advisor. Minors are a great opportunity to broaden your scope of knowledge, pursue your passions, and develop your resume.

MINORS OFFERED AT NORTHERN:

APPLIED AGRICULTURE
ART (K-12)
AUTOMOTIVE TECHNOLOGY
AG MECHANICS TECHNOLOGY
BUSINESS ADMINISTRATION
CRIMINAL JUSTICE
COMMUNITY LEADERSHIP
COMPUTER INFORMATION SYSTEMS
DIESEL TECHNOLOGY
MARKETING:
  TECHNICAL SALES AND SERVICE
NATIVE AMERICAN STUDIES
READING SPECIALIST (K-12)
SMALL BUSINESS MANAGEMENT
TRAFFIC EDUCATION (5-12)

Minor Highlight: NATIVE AMERICAN STUDIES

Our Past and Present

This program is important because North Central Montana has three Indian Reservations: Rocky Boy, Fort Belknap and Blackfeet. MSU-Northern has the highest percentage of students who identify as Native American of any non-tribal Montana college or university.

The program covers not only Native American history but also the connective indigeneity of the peoples in the United State and Canada. Native American Studies assists you in careers such as: education, criminal justice, business, and more.

PAUL MCKENZIE-JONES
COWAN HALL 301
406-945-9209
PAUL.MCKENZIEJONES@MSUN.EDU

PROGRAM COURSES

FEDERAL INDIAN LAW & POLICY
HISTORY OF AMERICAN INDIANS
MONTANA INDIANS: CULTURES, HISTORIES, CURRENT ISSUES
NATIVE AMERICAN LANGUAGE
NATIVE AMERICAN STUDIES
NATIVE CULTURES OF NORTH AMERICA
ORAL & WRITTEN TRADITIONS OF NATIVE AMERICANS

GRADUATE PROGRAM: COUNSELOR EDUCATION

YOUR HELPING CAREER

The Counselor Education program prepares graduates to be effective counselors in a dynamic helping profession. The program prepares graduates for school, community, and other counseling-related professions. This degree offers two specialization tracks:

K-12 Counselor. Individuals who complete this track may apply for a school counselor's endorsement or specialist's license from the Montana Office of Public Instruction.

Community Mental Health Counselor. This track will prepare the graduate to pursue application for licensure as a Licensed Professional Clinical Counselor (LCPC).

The Counselor Education classes are a hybrid of online and face-to-face courses. Students are required to meet some weekends (Friday through Sunday) in Great Falls or Havre. The class locations and meeting dates will be published before each semester.

All Counselor Education students begin in a fall cohort. This popular program often fills up, so students are encouraged to apply early.

CORE CLASSES

CAREER COUNSELING INFORMATION SYSTEMS
CHILD & ADOLESCENT COUNSELING
COMMUNITY & AGENCY CONSULTATION
COUNSELING & MEDICATIONS
COUNSELING PRACTICUM
COUNSELING SKILLS & PRACTICE
CRISIS INTERVENTION COUNSELING
DIAGNOSIS & TREATMENT
EDUCATIONAL & PSYCHOLOGICAL APPRAISAL
EDUCATIONAL MEASUREMENT & STATISTICS
GROUP DYNAMICS & COUNSELING
INTERNSHIP I
INTERNSHIP II
K-12 COUNSELING PROGRAM DEVELOP/ADMIN
MARRIAGE AND FAMILY COUNSELING
MULTICULTURAL COUNSELING
PROFESSIONAL ETHICS
PSYCHOLOGY OF DEVELOPMENT & ADJUSTMENT
RESEARCH METHODS
THEORIES OF COUNSELING

Program Available:
Counselor Education, MED

ABOVE: Northern volleyball coach Bill Huebsch is hooded by Dr. Curtis Smeby during the 2016 Spring Commencement as Provost Dr. Bill Rugg looks on. Huebsch graduated with Northern's Education, Instruction and Learning Master of Science in Education after **two years of online study while balancing a full-time coaching job and a family.**

DR. DARLENE SELLERS
HAGENER SCIENCE CENTER 102
406-265-3527
SELLERSD@MSUN.EDU

DR. JOHN FOLEY
GREAT FALLS COLLEGE B122
406-771-4375
JFOLEY@MSUN.EDU

GRADUATE PROGRAM: EDUCATION, INSTRUCTION & LEARNING

HIGH TECH EXPERIENCE *With a Personal Touch*

This unique, broad-based curriculum is designed to support instruction across various learning environments. The program is designed to engage in five areas: assessment, technology, diversity, theory and practice, and critical thinking. At the conclusion of the program, students develop cumulative action research projects designed to assist them in their professional educational environment.

This program combines the best of both worlds, with the convenience of online delivery and the benefits of a face-to-face weekend residency. Required time on campus only includes one weekend each fall, one weekend each spring, and one weekend for graduation. All other instruction is through web platforms, including weekly video chats and coursework.

Join either a fall or spring cohort of graduate candidates in a learning community. Opportunities to share, collaborate and innovate strengthen the cohort. Faculty are dedicated to ensuring the growth of each student in their interests and competencies.

Requirements for Admission

Applicants to our graduate programs are not required to take the GRE. GRE scores are accepted, but students can opt to take the Miller's Analogy Test (MAT) during the graduate student orientation week. Applicants are required to have a baccalaureate degree from an accredited college/university, three letters of reference, complete all of the admissions requirements for MSU-Northern, and other requirements subject to change. Please contact Debra Bradley for more details: 406-265-3735 or debra.bradley@msun.edu.

CORE CLASSES

ASSESSMENT AND EVALUATION
CHANGE THEORY AND PRACTICE
CRITICAL AND CREATIVE THINKING
EDUCATIONAL MEASUREMENT AND STATS
GRADUATE ACTION RESEARCH
GRADUATE SEMINAR
LEARNING AND MOTIVATION
LEARNING SYSTEMS
LEARNING TECHNOLOGIES
LEARNING THEORIES
MASTERY LEARNING
RESEARCH METHODS

Program Available:
Education, Instruction and Learning, MS

DR. CURTIS SMEBY
ASSISTANT PROFESSOR
COWAN HALL 302B
406-265-3517
SMEBYC@MSUN.EDU

Are you ready FOR NORTHERN?

HERE ARE YOUR NEXT STEPS:

STEP 1: Complete Application for Admissions @ msun.edu

STEP 2: Proof of 2 separate Measles, Mumps, and Rubella vaccines (MMR) taken at least one month apart

STEP 3: Send us Official Transcripts

First-Time Freshman? We need High School Transcripts with graduation date posted, and ACT/SAT scores.

GED/HiSet? We need a Copy of GED/HiSet Scores. ACT/SAT scores if under 21.

Transfer? We Need Official Academic Transcripts from each accredited university, college, or votech center attended. If transferring from MSU school, ask about a transmittal (it's free and easy).

STEP 4: Finish Financial Aid

STEP 5: Apply for Housing

STEP 6: Register for Classes

STEP 7: Attend New Student Orientation

STEP 8: Continue your Education at Northern. #GoLights

Got Questions?

Do you want help from a real person?

WOULD YOU LIKE TO TAKE A PERSONAL TOUR OF CAMPUS?

DO YOU WANT TO LEARN HOW TO PAY FOR COLLEGE?

HAVE YOU BEEN OUT OF SCHOOL FOR A WHILE AND HAVE SOME QUESTIONS?

Questions about living in Havre?

Are you ready for college, but unsure what to do next?

We're here to help.

(406) 265-3704

The Admissions office is open 8 am - 5 pm year-round and we are here to help answer ANY questions you might have! Just call!

MONTANA STATE UNIVERSITY
NORTHERN

Admissions
PO Box 7751
Havre, MT 59501-7751

Return Service Requested

Non-Profit Organization
U.S. Postage
PAID
Permit No. 75
Havre, MT 59501

Our Degrees

BACHELOR DEGREES
Agriculture Operations Technology, BS
Applied Science, BAS
Automotive Technology, BS
Biology, BS
Business Administration, BS
Business Technology, BAS
Civil Engineering Technology, BS
Community Leadership, BA
Criminal Justice, BS
Diesel Technology, BS
Diesel Technology:
- Equipment Management Option, BS
- Field Maintenance Option, BS

Elementary Education (K-8), BSEd
Graphic Design, BA
Health Promotion, BS
Liberal Studies, BA
Nursing, RN-BSN Completion
Secondary Education:
- Broad Field Science (5-12), BSEd
- General Science (5-12), BSEd
- Health and Physical Education (K-12), BSEd

English (5-12), BSEd
Trades Management, BAS

GRADUATE DEGREES
Counselor Education, MEd
Education, Instruction and Learning, MS

FUTURE PROGRAMS
Emergency Medical Services, AS, BS
Native American Studies, BA
Psychology Minor
Secondary Education: Industrial Technology, BSEd

CERTIFICATES
Welding Technology, CAS
Diesel Tech, CAS

ASSOCIATE DEGREES
Agriculture Mechanics Technology, AAS
Agriculture Technology, AAS
Automotive Technology, AAS
Automotive Technology: Fast Track Option, AAS
Program of Study in Business, AS
Civil Engineering Technology, AAS
Design Drafting Technology, AAS
Diesel Technology, AAS
Electrical Technology, AAS
Manufacturing, AAS
Program of Study in General Education, AA
Nursing, ASN
Plumbing, AAS

DEGREES IN GREAT FALLS
Elementary Education (K-8), BSEd
Counselor Education, MEd
Business Administration, BA
Business Technology, BAS

DEGREES IN LEWISTOWN
Nursing, ASN
Program of Study in General Education, AA

OFFERED ONLINE

ONLINE AND FACE-TO-FACE

MINORS
Accounting
Agriculture Mechanics Technology
Applied Agriculture
Art (K-12)
Automotive Technology
Biology
Business Administration
Community Leadership
Criminal Justice
Diesel Technology
Health Promotion
Marketing: Technical Sales and Service
Native American Studies
Reading Specialist (K-12)
Small Business Management
Traffic Education (K-12)