M State
MAGAZINE
Career Preparation • Transfer Education • Workforce Development
SPRING 2017

HOTTEST OF THE HOT

Twenty of M State's Top Programs

based on return on investment: program cost, starting wage, labor outlook and graduate placement rates

Twenty of M State's Top Programs

M State Summer and Fall Courses

Simon Enjoys Giving Back to the College Where She Began

A letter from the **PRESIDENT**

Dear Friends and Alumni:

Success for our students. That is the goal at Minnesota State Community and Technical College, where an affordable and quality education prepares students to succeed in their lives.

- We offer success to students in our transfer pathways, providing the first two years of a four-year education in a way that saves students thousands of dollars and prepares them for entry as a junior at the four-year institution of their choice.
- We offer success to students in our occupational programs, where we partner with industry to ensure that our graduates have a competitive edge in meeting employers' needs and succeed in their careers.
- Finally, we offer success to businesses and industries throughout our region with workplace solutions, helping employers affordably enhance the knowledge and skills of their current workforce.

This issue of the M State Magazine focuses on M State's "hottest of the hot" occupational programs – 20 programs that stand out because of the current opportunities for return on educational investment in today's labor market. You will find information on:

- Total program cost and length
- Placement rates (as reported by our students themselves!)
- Anticipated starting and mid-career wages, along with the labor outlook
- Business and industry representatives who partner with our programs

The return on educational investment is high!

Picking just 20 of our programs was not an easy process; we are so very proud of all 70 M State occupational programs, many of which can be completed in one year or less. All benefit from business- and industry-led advisory committees, and all have commendable job placement rates for graduates.

Whether a student enrolls in a single class or a certificate or degree program, we want students to succeed by avoiding great debt, by realizing the capacity to persist and overcome obstacles that could hinder success, and by recognizing that an investment in higher education is well worth the time, money and effort.

To meet the ever-changing needs of our regional workforce, M State has taken innovative approaches to increase our agility in developing new programs to better match the speed and expectations of business partners. M State and numerous companies have partnered to attract students and provide them with incentives to enroll in classes and remain in our region to live, work and play. When students are unable to attend classes on campus, M State has traveled to their work sites or closer to their homes with mobile labs and new locations that serve rural Minnesota and multiple businesses. We work hard to bring high-quality education and caring support to learners in our region.

We share these "hottest of the hot" occupational programs to highlight the many ways M State impacts individuals, businesses and communities in our region and beyond, with the sincere hope that you will find your own success through the M State program that most interests you!

Sincerely,

Peggy D Kennedy

Dr. Peggy D. Kennedy, President

FACF Making a Difference

Owner of Fargo's Grace Electric Got Wired for Success at M State

Ecumen Supports Employees with M State Scholarships

What's **INSIDE**

4 Hottest of the Hot
Twenty of M State's top programs

15 Your M State Success Story Begins Here
2017 summer and fall courses

23 Learn More, Pay Less
M State's options make college possible

26 NECA Supports Electrical Technology at M State

27 Simon Enjoys Giving Back to the College Where She Began

28 FACF Making a Difference
Donor support allows foundation to award record scholarship amounts

30 Owner of Fargo's Grace Electric Got Wired for Success at M State

31 An Added Benefit
Ecumen supports employees with M State scholarships

Congratulations, Spring 2017 Graduates!

Friends, family, faculty and staff are invited to join our students as they celebrate their graduation from M State.

Commencement Ceremony Schedule

Detroit Lakes Campus
7 p.m. Wednesday, May 3, at Detroit Lakes High School

Fergus Falls Campus
3 p.m. Thursday, May 4, on the Fergus Falls campus

Moorhead Campus
4 p.m. Tuesday, May 9, at Concordia College in Moorhead

Wadena Campus
5 p.m. Friday, May 5, at Wadena/Deer-Creek High School

No tickets are required for attendance.

M State MAGAZINE

Career Preparation • Transfer Education • Workforce Development
SPRING 2017 ISSUE

College Administration

Peggy D. Kennedy
President

Carrie L. Brimhall
Vice President/Chief Academic Officer

Peter A. Wielinski
Vice President/Chief Student Development Officer

Jill Abbott
Associate Vice President of Academic Affairs

Dacia A. Johnson
Chief Human Resources Officer

Daniel L. Knudson
Chief Information Officer

Denise A. Laymon
Chief Development and Alumni Officer

Patrick A. Nordick
Chief Financial Officer

G.L. Tucker
Dean of Workforce Development Solutions

Magazine Staff

Peter Wielinski
Vice President of Student Development Services and Marketing
peter.wielinski@minnesota.edu

Tina Bartels
Magazine Art Director
tina.bartels@minnesota.edu

Peg Kalar
Magazine Writer and Editor
peg.kalar@minnesota.edu

M State Magazine is the official magazine of Minnesota State Community and Technical College. It is published by the college's Communications and Marketing Department each spring and fall.

Articles may be reproduced without permission if credit is given to the institution.

Minnesota State Community and Technical College is an equal opportunity educator and employer and is a member of the Minnesota State system.

HOTTEST OF THE HOT

M State programs sizzle with skills you can use. They crackle with knowledge. They radiate the abilities that set M State graduates apart. Our business and industry partners tell us that M State grads are a hot commodity, and they want more!

All our programs are hot, but this issue of the M State Magazine features the "Hottest of the Hot" – 20 programs selected for their wage potential, labor market outlook, partnership strength and overall employability.

Here's what you'll find:

Campus: We have campuses in Detroit Lakes, Fergus Falls, Moorhead and Wadena, along with online courses and programs. Some programs are offered at multiple locations so you can choose the location that's best for you.

Program length: Thirty credits generally equal one year of full-time attendance (usually with summer off). Of course, programs take longer to complete if you attend part time.

Total estimated program cost: No hidden costs here: This is the total cost of tuition, fees, books, supplies and tools for the whole program. When a program is offered in more than one location, the costs were averaged.

Placement rate: Every year, we're required to reach at least 85 percent of our graduates and find out if they landed that job within one year. We usually do even better, reaching between 90 and 100 percent of our graduates.

Starting wage/mid-career wage: These are the wages you can expect starting out and at mid-career within a 100-mile radius of our college in today's dollars. Remember, many of these jobs also offer benefits.

Labor outlook (percent growth over 10 years): This tells you how much growth labor market advisor EMSI forecasts in the number of jobs available in our region over the next 10 years.

Job opportunities: Our program graduates are hired for jobs like the ones listed. As you'll see, every program prepares you for a variety of positions.

Similar programs: If you're intrigued by a program, you may want to consider a few of the other M State programs we've listed.

Ready to get started? Great! Here are the Hottest of the Hot (don't burn your fingers)!

Learn more about all of M State's programs.
Visit **minnesota.edu/programs**

Environmental Science AS

Fergus Falls • Moorhead

60 CREDITS
Program Length
2 years, 60 credits

$$$ Total estimated program cost
$12,772

Typical starting wage is $42,193 increasing to a mid-career wage of $52,759

This major is **Designed for Transfer** to a four-year college or university

Labor Outlook **11%** increase over 10 years

Spark your interest:

The field of environmental science requires an understanding of biology, chemistry and earth science. M State's Environmental Science AS degree provides students with a background in natural sciences and math that helps them succeed in this broad field. Students have the opportunity to learn in the classroom, in the laboratory and in the field through hands-on coursework and connections with professionals in the industry. The program has articulation agreements with Bemidji State University, Minnesota State University Moorhead and University of Minnesota Crookston.

Job Opportunities include

- Environmental Science Technician
- Environmental Scientist
- Environmental Toxicologist
- Water Quality Analyst
- Environmental Health Specialist
- Environmental Protection Specialist

Similar M State Programs you might like

- Associate of Arts degree
- Biological Science AS
- Chemistry AS

You do the math!

Maximum Pell Grant in 2016-2017 was $5,815

Full-time M State tuition and fees in 2016-2017 totaled $5,361

Facts on Fire

Network Administration and Security AAS

Moorhead

66 CREDITS
Program Length
2 years, 66 credits

$$$ Total estimated program cost
$15,939

Typical starting wage is $47,969 increasing to a mid-career wage of $65,548

88% of program graduates find **education-related employment**

Labor Outlook **13%** increase over 10 years

Spark your interest:

There is an increasing need for information technology professionals trained in security and network administration. Working under the guidance of IT security-certified instructors, students build and work in a virtual lab environment, with enhanced learning through community projects and competitive collegiate events. Using industry guidelines, they write security policies, implement security controls, write incident reports, develop business continuity plans and learn how to maintain backup systems and perform security assessments – all with the goal of helping organizations reduce their risk of loss from a security incident.

Our advisors in business and industry:

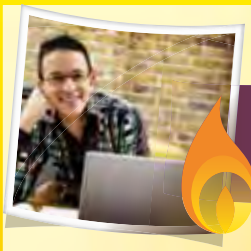
Affiliated Computer Systems, Arvig Communication Services, Bank of the West, City of Moorhead, ComStar Inc., Detroit Lakes Public Schools, Digi-Key Corp., Frazee-Vergas Public Schools, Joey's PC, Lakewood Health Systems, Mason Brothers Inc., Perham Memorial Hospital and Home, Perham-Dent School District, Ryan's PC Training, Sanford Health, Star Energy Services, St. Mary's Regional Health Care, The Computer Guy, Tri-County Hospital, Veterans Administration, West Central Telephone

Job Opportunities include

- Information Security Technician
- Security Administration
- Network Administration and IT Security
- Network Security Technician
- Personal Systems Support Technician
- Linux Support Technician

Similar M State Programs you might like

- Cisco Networking
- Computer Programming
- Information Technology
- Network Security
- Web Design



Web Design Certificate

Online

30 CREDITS

Program Length
1 year, 30 credits

$$$

Total estimated program cost
$7,321

Spark your interest:

M State's Web Design certificate program introduces students to the most current strategies and technologies used in the web design industry. A unique attraction of the program is its flexibility, with eight of its 10 online courses offered in eight-week blocks so students can finish the courses (including prerequisites) in one academic year. Students completing other AA or AAS degree programs can opt to earn the Web Design certificate as part of their studies, providing valuable state-of-the-art experience in this growing field.

Our advisors in business and industry:

Absolute Marketing, Spidertrap, Sundog

86% of program graduates find **education-related employment**

Typical starting wage is $34,835 increasing to a mid-career wage of $50,169

Labor Outlook
29% increase over 10 years

Job Opportunities include

- Web Designer
- Front-end Web Developer
- UX/UI Designer
- E-commerce Web Designer
- Digital and Social Media Marketing Specialist
- Freelance Web Designer

Facts on Fire

Free Application for Federal Student Aid

It costs nothing to complete the FAFSA at fafsa.ed.gov.

Similar M State Programs you might like

- Cisco Networking
- Computer Programming
- Information Technology
- Network Administration and Security
- Network Security

66 CREDITS

Program Length
2 years, 66 credits

$$$

Total estimated program cost
$16,107

Business: Management, Marketing and Sales AAS

Detroit Lakes • Moorhead • Online

100% of program graduates find **education-related employment**

Typical starting wage is $32,434 increasing to a mid-career wage of $50,397

Labor Outlook
22% increase over 10 years

Job Opportunities include

- Entry-level Management Positions
- Marketing Positions
- Business-to-Consumer Sales
- Business-to-Business Sales

Similar M State Programs you might like

- Business
- Business Administration
- Business and Banking
- Human Resources

Spark your interest:

A business degree provides students with a foundation for a wide range of careers in marketing and sales professions. Students learn about marketing, advertising and consumer behavior, and they develop the communication skills to sell products and services to different types of buyers. M State's instructors have real-world experience in business and industry, and internships provide valuable preparation for careers in the business world.

Our advisors in business and industry:

BTD, Cellular Communications, Coaches Choice, dogIDs, Forum Communications, In-House Advertising and Consulting, Jack Chivers Realty, KLN, Preference Personnel, Scheels Arena, Small Business Administration, Titan Machinery, US Bank

Affordable Education!

Last year, M State awarded $7.5 million in Federal Pell Grants to 2,275 students.

Facts on Fire

Facts on Fire

$1,000 Loan Repayment

A $1,000 Direct Loan at 4 percent interest will be repaid in 21 months at $50/mo.

Architectural Drafting and Design AAS

Detroit Lakes

Spark your interest:

The construction industry is seeing a strong demand for technically trained designers and drafters. The core of M State's program is computer-aided design; students graduate as entry-level CAD technicians and find job opportunities with manufacturers, residential contractors and estimators, and with mechanical, electrical and structural engineering firms. Program internships frequently lead to employment opportunities, and service learning enhances classroom learning by providing real-world experience.

Our advisors in business and industry:

BHH Partners, Braun Intertec, Crane Johnson Lumber Co., Martin Mechanical, Obermiller Nelson Engineering, Schik Engineering, Ulteig Engineers

72 CREDITS

Program Length
2 years, 72 credits

$$$

Total estimated program cost
$15,519

100% of program graduates find **education-related employment**

Typical starting wage is $33,677 increasing to a mid-career wage of $45,202

Labor Outlook
9% increase over 10 years

Similar M State Programs you might like

- Architectural Drafting diploma
- Civil Engineering Technology
- Construction Management
- Drafting and 3D Technologies
- Engineering
- Survey Technician

Job Opportunities include

- Engineering Technician
- Architectural Drafter
- Architectural Technician
- Interior Design Professional
- CADD Technician or Specialist

Civil Engineering Technology AAS

Detroit Lakes

68 CREDITS

Program Length
2 years, 68 credits

$$$

Total estimated program cost
$14,571

88% of program graduates find **education-related employment**

Typical starting wage is $40,122 increasing to a mid-career wage of $54,246

Labor Outlook
9% increase over 10 years

Similar M State Programs you might like

- Architectural Drafting and Design
- Construction Management
- Drafting and 3D Technologies
- Engineering
- Survey Technician

Job Opportunities include

- Civil Engineering Technician
- Civil CADD Technician
- Civil Survey Technician

Spark your interest:

Students graduate from the Civil Engineering Technology program with the skills to apply engineering principles in a variety of industries. Graduates work on survey teams, test construction materials, extract material samples and produce blueprints. Much of the work of civil engineering technicians is in the field and involves applying knowledge of road and utility design, hydrology and geographic information systems to projects including municipal construction, soil sampling, concrete compression and mapping.

Our advisors in business and industry:

Apex Engineering, Braun Intertec, Houston Engineering, Meadowland Surveying, Midwest Testing, Minnesota Department of Transportation, Moore Engineering, North Dakota Department of Transportation, Otter Tail County, Sellin Bros. Inc., Sherbrooke Turf, Ulteig Engineers, Inc.

Remember the 1:2:7 Ratio

For every U.S. job that requires a graduate degree, there are two jobs that require a four-year degree and SEVEN jobs that require a two-year degree or less.

Facts on Fire

Construction Management AAS

Moorhead

66 CREDITS

Program Length
2 years, 66 credits

$$$

Total estimated program cost
$15,142

91% of program graduates find **education-related employment**

Typical starting wage is $37,594 increasing to a mid-career wage of $53,996

Labor Outlook
11% increase over 10 years

Job Opportunities include

- Estimator
- Superintendent
- Project Manager
- Safety Director/Manager
- Field Engineer or Assistant Superintendent
- Inspector

Similar M State Programs you might like

- Architectural Drafting and Design
- Civil Engineering Technology
- Drafting and 3D Technologies
- Electrical Technology
- Engineering
- Survey Technician

Spark your interest:

Construction managers are needed in an array of specialties, including residential, commercial, industrial, civil engineering and energy-related construction. As with other construction-related occupations, job growth is expected to continue. Internships enhance course work and provide marketable experience. For many construction managers, one of the job benefits is the opportunity to work outdoors on job sites rather than primarily in an office.

Our advisors in business and industry:

Aevenia Energy and Electrical Construction, Braun Intertec, Kochmann Brothers Homes, Mid America Steel, RRC Specialties, Tecta America Dakotas, Wanzek Construction, Wrigley Mechanical

Facts on Fire

M State Grads Are High-Earners!

The most recent Brookings Institute study on mid-career earnings shows that M State grads are among the Top 10 two-year grads in the whole country.

Facts on Fire

Borrow Only If You Need To!

Last year, the average Direct Subsidized Loan amount was $2,040.

Diesel Technology AAS

Moorhead

Spark your interest:

The diesel industry is experiencing a shortage of technicians as older workers retire and ongoing advances in technology require new skills and training. The challenges in diesel technology vary daily, with work that cannot be done by machines or robots. Demand for diesel technicians is strong in the Fargo Moorhead area and even stronger in large metropolitan areas. Most employers offer excellent pay and benefit packages, along with in-house or company-sponsored and paid training to keep employees current with the latest technology.

Our advisors in business and industry:

Bobcat, Butler, CNH, Case IH, Cummins, Farmers Implement & Irrigation, Freightliner, General Equipment, Interstate, Maney IH, Midland, Nelson, New Holland, Peterbilt, RDO, Swanston, Titan Machinery, Valley Express, West Plains Implement, Wallwork

79 CREDITS

Program Length
5 semesters, 79 credits

$$$

Total estimated program cost
$20,101

100% of program graduates find **education-related employment**

Typical starting wage is $32,060 increasing to a mid-career wage of $44,298

Labor Outlook
12% increase over 10 years

Job Opportunities include

- Diesel Technician
- Service Foreman
- Product Support Representative
- Field Service Technician
- Technical Troubleshooter
- Parts Person
- Shop Owner
- Technical Training Instructor

Similar M State Programs you might like

- Diesel Technology diploma
- Automotive Service Technology
- Marine Engine Technology
- PowerSports Technology

Electrical Line Worker Technology AAS

Wadena

70 CREDITS

Program Length
2 years, 70 credits

$$$

Total estimated program cost
$17,720

83%
of program graduates find **education-related employment**

Typical starting wage is $53,325 increasing to a mid-career wage of $71,035

Labor Outlook
9%
increase over 10 years

Job Opportunities include

- Power Line Installers and Repairers
- Right-of-way Maintenance
- Telecommunications Construction
- Underground Boring Machine Operator

Similar **M State Programs** you might like

- Electrical Line Worker Technology diploma
- Electrical Technology
- Gas Utility Construction and Service
- HVAC/R
- Plumbing Technology

Spark your interest:

M State's Electrical Line Worker Technology program, created more than 50 years ago, is well-respected within the industry, with graduates working for electric utilities nationwide. Industry partnerships ensure students are learning the skills needed by employers, and the 90-acre Wadena training site allows students to practice pole climbing, line construction and bucket-truck operation. Together, the program's instructors and lab assistant have more than a century of experience in the profession. The Electrical Line Worker Technology diploma is offered in both Wadena and Baudette.

Our advisors in business and industry:

Connexus Energy, Elk River Public Utilities, Legacy Power Line, MMUA, Minnesota Power, Otter Tail Power Co., RESCO, Rochester Public Utilities, Wadena Public Utilities, Excel Energy

Facts on Fire

$2000 Loan Repayment

A $2,000 Direct Loan at 4 percent interest will be repaid in 44 months at $50/mo.

Electrical Technology Diploma

Moorhead • Wadena

74 CREDITS

Program Length
2 years, 74 credits

$$$

Total estimated program cost
$18,059

100%
of program graduates find **education-related employment**

Typical starting wage is $32,007 increasing to a mid-career wage of $49,764

Labor Outlook
20%
increase over 10 years

Job Opportunities include

- Residential Electrician
- Commercial Electrician
- Industrial Electrician
- Service Electrician
- Electrical Sales
- Electrical Estimator
- Fire Alarm/ Security Technician

Similar **M State Programs** you might like

- Electrical Line Worker Technology
- Gas Utility Construction and Service
- HVAC/R
- Plumbing Technology

Spark your interest:

M State's Electrical Technology program is well-respected within the industry, and students are recruited by employers locally and throughout a multi-state region. Instructors – all graduates of the M State program themselves – have extensive experience in the field as master electricians and contractors. The combination of lecture and hands-on training gives students a strong foundation for their electrician apprenticeship. Students in the program earn 2,000 hours toward their Minnesota Class A journeyman status through their coursework. Demand in the industry is strong and expected to grow.

Our advisors in business and industry:

BSE, Beltrami Electric Cooperative, Bergstrom Electric, Dakotas JATC, Douglas Machines, Dutch's Electric, Fargo South High School, Frazee Electric, Friesen's Inc., Hand Electric, IBEW, JC Electric, JDP Electric, Lamb Weston/RDO Frozen, Magnuum Electric, Mark's Electric, Melrose Electric, Minnesota Electric Supply/BSE, Moorhead Electric, NECA, Tri-County Hospital, Tuffy's, Van Enk Electric, Vinco Electric, Zenergy

Gas Utility Construction and Service Diploma

Wadena

32 CREDITS

Program Length
1 year, 32 credits

$$$

Total estimated program cost
$7,809

Spark your interest:

Demand is high for trained technicians in the natural gas industry, where production has increased 48 percent since 2005, and it's expected that 50 percent of the current workforce will retire by 2020. M State's Gas Utility and Construction Service, the only diploma program of its kind in Minnesota and the Dakotas, partners with energy companies throughout the region to teach skills needed by employers. Students operate industry equipment on M State's 90-acre training field and get hands-on training in creating and installing gas distribution systems.

Our advisors in business and industry:

Arvig, City of Perham, Great Plains Natural Gas, Greater Minnesota Gas, Groebner, MP Technologies, Michels Pipeline Construction, Midwest Energy Association, Minnesota Energy Resources, NPL Construction, Q3 Contracting Inc., Xcel Energy

New Program
Placement rate not yet available

Typical starting wage is **$27,942** increasing to a mid-career wage of **$44,937**

Labor Outlook
16%
increase over 10 years

Job Opportunities include

- Gas Service Technician
- Meter and Regulator Technician
- Gas Pipe Fuser
- Utility Locator
- Directional Drill Operator
- Cathodic Protection Specialist

Similar
M State Programs you might like

- Electrical Line Worker Technology
- Electrical Technology
- HVAC/R
- Plumbing Technology

Facts on Fire

Affordable Education!
Last year, M State awarded $1.27 million in Minnesota State Grants to 1,152 students.

HVAC/R Diploma

Moorhead • Wadena

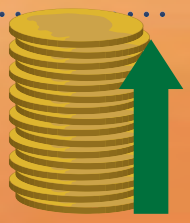
36 CREDITS

Program Length
1 year, 36 credits

$$$

Total estimated program cost
$8,785

Typical starting wage is **$33,323** increasing to a mid-career wage of **$49,609**



100%
of program graduates find **education-related employment**

Labor Outlook
22%
increase over 10 years

Job Opportunities include

- HVAC/R Service Technician
- HVAC/R Installation Technician
- HVAC/R Wholesale Rep
- HVAC/R Manufacturing

Similar
M State Programs you might like

- Electrical Line Worker Technology
- Electrical Technology
- Gas Utility Construction and Service
- Plumbing Technology

Spark your interest:

The heating, ventilation and air conditioning/refrigeration industry anticipates a strong demand for workers in the coming seven years with the retirement of 300,000 industry professionals. This is a hands-on program, with students spending 75 percent of their time training in labs and in the field, and graduates are ready to work as a service person or installer, or on retrofitting projects. Area employers are offering sign-on bonuses and tuition reimbursement for program graduates. Students have the opportunity to earn national Environmental Protection Agency refrigeration certification during the course of their studies.

Our advisors in business and industry:

All Seasons, Ellingson Plumbing & Heating, Essers Plumbing & Heating, Express Central, Greens Plumbing & Heating, H&A Thompson & Son, Samuelson & Laney Plumbing & Heating, St. Cloud Refrigeration

Facts on Fire

Tuition-Free Education!

Last year, more than 2,270 M State students had their tuition and fees covered entirely by grant aid.

Plumbing Technology Diploma

Online

Spark your interest:

Graduates of M State's Plumbing Technology program are finding varied opportunities nationwide in locations as far away as Alaska and Hawaii. Plumbing courses are online with a weekly evening lab in Moorhead, so students can work full time in their current job or get hands-on experience in a plumbing-related position while earning a Plumbing Technology diploma. Graduates become apprentice plumbers and can advance to journeyman and master licenses, opening up opportunities to own and operate their own businesses. Pay, benefits and job security are excellent.

Our advisors in business and industry:

Ferguson Enterprise, Grant's Mechanical, Home Heating A/C & Plumbing, Laney's Inc., Moorhead Plumbing & Heating, Peterson Mechanical, Precision Plumbing, Thoreson Plumbing

36 CREDITS

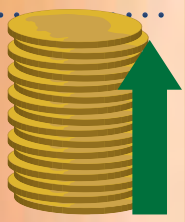
Program Length
1 year, 36 credits

$$$

Total estimated program cost
$8,785

75% of program graduates find **education-related employment**

Typical starting wage is **$27,942** increasing to a mid-career wage of **$44,937**



Labor Outlook
16% increase over 10 years

Similar **M State Programs** you might like

- Commercial Refrigeration
- Electrical Line Worker Technology
- Electrical Technology
- Gas Utility Construction and Service
- HVAC/R
- Survey Technician

Job Opportunities include

- Apprentice Plumber
- Service and Repair Plumber
- Plumbing Estimator
- Positions in Plumbing Wholesale
- Retail and On-the-road Sales

Cardiovascular Technology – Invasive AAS

Moorhead

60 CREDITS

Program Length
2 years, 60 credits

$$$

Total estimated program cost
$14,883

New Program
Placement rate not yet available

Typical starting wage is **$34,450** increasing to a mid-career wage of **$56,064**

Labor Outlook
33% increase over 10 years

Job Opportunities include

Working in cardiac catheterization labs with patients experiencing heart attacks, strokes and other cardiovascular diseases

Similar **M State Programs** you might like

- Dental Assisting and Hygiene
- Dialysis Technician
- Medical Laboratory Technology
- Nursing
- Pharmacy Technology
- Phlebotomy Technician
- Radiologic Technology
- Surgical Technology

Spark your interest:

The Cardiovascular Technology program prepares students to work as cardiovascular technologists, assisting physicians in diagnosing and treating cardiac, peripheral vascular, neurovascular and electrophysiological conditions. Courses are cutting-edge, with students using current technology, physiological and diagnostic equipment, and therapeutic procedures. During their final semester, students gain hands-on experience in the region's cardiac catheterization labs. M State's program was created in response to industry need in the region, and demand in the industry is high.

Our advisors in business and industry:

Altru, Essentia Health, Sanford Health

$5,000 Loan Repayment

A $5,000 Direct Loan at 4 percent interest will be repaid in 120 months at $51/mo.

Facts on Fire

Dental Hygiene AAS
Moorhead

88 CREDITS
Program Length
3 years, 88 credits

$$$ Total estimated program cost
$23,308

95% of program graduates find **education-related employment**

Typical starting wage is $54,989 increasing to a mid-career wage of $66,903

Labor Outlook
13% increase over 10 years

Job Opportunities include
In addition to employment as a dental hygienist in clinical roles, a dental hygiene degree can lead to opportunities in corporate sales, research and administration, public health, education, administration, product development and sales, and independent clinical practice.

Similar M State Programs you might like
- Dental Assisting
- Dialysis Technician
- Medical Laboratory Technology
- Nursing
- Pharmacy Technology
- Phlebotomy Technician
- Radiologic Technology
- Surgical Technology

Spark your interest:
One evening each week, dental hygiene students provide direct patient care in the M State Community Dental Clinic, giving students valuable hands-on experience working with a variety of patients. Equipment in M State's dental clinic is state-of-the-art. Our program is accredited by the Commission on Dental Accreditation of the American Dental Association. A dual enrollment agreement with Metropolitan State University in St. Paul means M State Dental Hygiene students can simultaneously receive an associate degree and a bachelor's degree on the M State campus by taking bachelor's degree courses online.

Our advisors in business and industry:
Dental Care, Dr. B. Dentristry, Smile Care Family Dentistry, South University Dental Associates

Facts on Fire

Free Aid!
M State awarded more than $9.3 million in grant aid last year!

Facts on Fire

Earn While You Learn!
Just check the "Yes, I'm Interested in Work-Study Funds" box on the FAFSA.

Health Information Technology/Coding AAS
Online

Spark your interest:
Careers in Health Information Technology/Coding offer opportunities in the health care field without requiring direct patient care. Health information professionals use their knowledge of information technology and records management to link clinicians, administrators, technology designers and information technology professionals. Regulations and technologies are constantly evolving, and demand is on the rise; students in the program gain experience in science, management, law and computers. The program is accredited by the Commission on Accreditation for Health Information and Information Management.

Our advisors in business and industry:
Blue Cross Blue Shield, Essentia Health, Lake Region Healthcare, Pediatric Therapy Partners, Sanford Health, Sanford Health Clinical Research, Veterans Administration

64 CREDITS
Program Length
2 years, 64 credits

$$$ Total estimated program cost
$17,449

71% of program graduates find **education-related employment**

Typical starting wage is $30,506 increasing to a mid-career wage of $42,295

Labor Outlook
15% increase over 10 years

Job Opportunities include
- Data Analyst
- Coding Professional
- Health Information/ Medical Records Admission
- Medical Office Administrator/Manager
- Quality Improvement Analyst
- Release of Information Specialist
- Reimbursement Specialist

Similar M State Programs you might like
- Medical Administrative Assistant
- Medical Coding and Insurance
- Pharmacy Technology

Medical Laboratory Technician AS

Fergus Falls

60 CREDITS

Program Length
2 years, 60 credits

$$$

Total estimated program cost
$13,736

Typical starting wage is $33,979 increasing to a mid-career wage of $43,868

80% of program graduates find **education-related employment**

Labor Outlook
24% increase over 10 years

Spark your interest:

The MLT profession anticipates above-average growth as increased prenatal testing and an aging population lead to a greater need for diagnosis of medical conditions through laboratory procedures. M State offers its MLT program in a flexible combination of online courses and on-campus labs, making it possible for working students to complete the degree. MLT students spend 20 weeks in affiliate hospital labs gaining valuable hands-on experience. The program is accredited by the National Accreditation Agency for Clinical Laboratory.

Our advisors in business and industry:

Essentia Health, Lake Region Healthcare, Lakewood Health System, Sanford Health, St. Francis Health Care, St. Joseph's Area Health Services, Tri-County Hospital

Job Opportunities include

While most medical laboratory technicians work in hospitals and clinics, there are opportunities in public health agencies, research and industry.

Similar M State Programs you might like

- Cardiovascular Technology – Invasive
- Dental Assisting and Hygiene
- Dialysis Technician
- Nursing
- Pharmacy Technology
- Phlebotomy Technician
- Radiologic Technology
- Surgical Technology

Learn more. Earn more.
Learn more about all of M State's programs.
Visit minnesota.edu/programs.

Facts on Fire

Radiologic Technology AAS

Detroit Lakes • Online
(with some on-campus requirements)

79 CREDITS

Program Length
3 years, 79 credits

$$$

Total estimated program cost
$19,627

Typical starting wage is $31,681 increasing to a mid-career wage of $52,877

100% of program graduates find **education-related employment**

Labor Outlook
22% increase over 10 years

Spark your interest:

The job market in radiologic technology is strong, and many students are hired prior to graduation. Students work with energized equipment in M State's lab, including computed and digital radiography equipment. More than two dozen clinical sites, including Hennepin County Medical Center, provide a wide range of experience in both general radiography exams as well as surgery, trauma and other imaging modalities. The program is accredited by the Joint Review Committee on Education in Radiologic Technology.

Our advisors in business and industry:

CHI Lisbon Health, Centra Care Health Center, Coteau Des Prairies Hospital & Clinic, Essentia Health, Fairview Range, Glacial Ridge Health System, Heart of America Medical Center, Hennepin County Medical Center, Lake Region Healthcare, Lakewood Health System, Mercy Hospital, Perham Health, Prairie Ridge Hospital & Health Services, Presentation Medical Center, Sanford Health, St. Andrew's Health Center, St. Francis Healthcare, Tri-County Hospital, Veterans Administration, White Earth Health Center

Job Opportunities include

Graduates are eligible to earn certification as radiologic technologists. With additional education or on-the-job training, radiologic technologists can advance into positions in the fields of computer tomography, MRI, radiation therapy, mammography, interventional radiology and nuclear medicine.

Similar M State Programs you might like

- Cardiovascular Technology – Invasive
- Dental Assisting and Hygiene
- Dialysis Technician
- Medical Laboratory Technician
- Nursing
- Pharmacy Technology
- Phlebotomy Technician
- Surgical Technology

Registered Nurse Associate Degree in Nursing

Detroit Lakes • Fergus Falls • Moorhead (except Generic) • Wadena

64 CREDITS

Program Length
Generic: 2 years, 64 credits
Advanced Standing: 1 years, 32 credits

Total estimated program cost

$$$ $19,187 Generic Option

$11,259 Advanced Standing Option

Typical starting wage is $48,089 increasing to a mid-career wage of $65,893

Spark your interest:

West central Minnesota expects a nursing shortage of nearly 1,500 registered nurses in the next 10 years, so the job market for graduates is strong. The M State Nursing program works closely with health care facilities throughout the region, and community partners seek out our graduates. The Generic Program is designed for students with no previous nursing experience who are seeking to become registered nurses, and the Advanced Standing Option is for licensed practical nurses seeking to become registered nurses.

98% of program graduates find **education-related employment**

Labor Outlook **17%** increase over 10 years

Our advisors in business and industry:

Battle Lake Good Samaritan, Becker County Public Health, Bethany Homes, Broen Memorial Home, Cancer Care & Research Center, Children's Corner, Community Behavioral Health Hospital, Diamond Willow, Ecumen, Elder's Home, Essentia, Fair Oaks Lodge, Fergus Falls Community Addiction Recovery Enterprise, Fergus Falls School District, Golden Living Center, Good Samaritan, Green Pine, Lake Region Healthcare, Lakeland Home Care and Hospice, Lakewood Health System, Lutheran Memorial, MSUM Nursing, Mahnomen Health Center, Mahube Headstart, Mill Street Residence, New Dimensions Home Care, Perham Health, Pioneer Care, Prairie St. Johns, Rural Minnesota CEP, Sanford Health, Sebeka School District, Sunnyside Care Center, Tri-County Hospital, Veterans Administration, Vibra Health Villa Maria, Workforce Center

Job Opportunities include

Associate Degree Nursing graduates practice in traditional health care settings including hospitals, long-term care facilities, medical offices, community health centers, schools and retail clinics. There are also opportunities in more unique settings, including camps, homeless shelters, prisons, athletic facilities and tourist destinations.

Similar M State Programs you might also like

- Cardiovascular Technology – Invasive
- Dental Assisting and Hygiene
- Dialysis Technician
- Medical Laboratory Technician
- Pharmacy Technology
- Phlebotomy Technician
- Radiologic Technology
- Surgical Technology

Surgical Technology AAS

Moorhead

60 CREDITS

Program Length
2 years, 60 credits

$$$ Total estimated program cost $14,080

Typical starting wage is $34,208 increasing to a mid-career wage of $43,694

New Program
Placement rate not yet available

Labor Outlook **16%** increase over 10 years

Spark your interest:

Every area of the body is associated with a surgical specialty. While surgical technologists train to assist in all types of surgery, many choose to specialize in one or more surgical fields. In addition to training in surgical procedures, surgical technologists train in basic patient care in the operating room. The job is rewarding, as surgical technologists care for patients who are under anesthesia – when they are most vulnerable and can't speak or care for themselves. There are job opportunities for surgical technologists with hospitals, freestanding surgical centers and surgical supply and instrument corporations.

Our advisors in business and industry:

Essentia Health, Sanford Health, Veterans Administration

Job Opportunities include

- Surgical Technologist
- Certified Surgical Technologist
- Operating Room Technician or Assistant
- Scrub Tech
- Surgical Assistant
- Surgical Supply Specialist
- Surgery Scheduler

Similar M State Programs you might also like

- Cardiovascular Technology – Invasive
- Dental Assisting and Hygiene
- Dialysis Technician
- Medical Laboratory Technology
- Nursing
- Pharmacy Technology
- Phlebotomy Technician
- Radiologic Technology

$10,000 Loan Repayment

A $10,000 Direct Loan at 4 percent interest will be repaid in 120 months at $100/mo.

Facts on Fire

Your M State Success Story Begins Here!

Learn More at M State!

Summer term is June 5* through July 28.

Accounting

ACCT	1108	Business Math and Calculators	3
ACCT	2202	Financial Accounting II Lab	1
ACCT	2212	Financial Accounting II	3
ACCT	2640	Accounting Internship	1-4

Administrative Support

ADMS	2240	Administrative Office Professional Internship II	3

Anthropology

ANTH	1100	Anthropology	3

Architectural Technology

ARCH	2218	Architectural Internship	3

Art

ART	1110	Introduction to Art	3
ART	1112	Painting I	3
ART	1121	World of Art I	3

Biological Sciences

BIOL	1104	Biology of Human Concerns	3
BIOL	1107	Environmental Science Issues	3
BIOL	1108	Environmental Science Issues Lab	1
BIOL	2202	Principles of Nutrition	3
BIOL	2260	Human Anatomy and Physiology I	3
BIOL	2261	Human Anatomy and Physiology I Lab	1
BIOL	2262	Human Anatomy and Physiology II	3
BIOL	2263	Human Anatomy and Physiology II Lab	1
BIOL	2267	Medical Microbiology	3
BIOL	2268	Medical Microbiology Lab	1

Business Management

BUS	2204	Principles of Management	3
BUS	2206	Principles of Marketing	3
BUS	2220	Global Business	3

Chemistry

CHEM	1100	Fundamental Concepts of Chemistry	3

Civil Engineering Technology

CIVL	2230	Civil Engineering Tech Internship	3

Communication

COMM	1120	Introduction to Public Speaking	3
COMM	1140	Interpersonal Communication	3
CONM	2222	Construction Management Internship	2

Computer

CPTR	1104	Introduction to Computer Technology	3
CPTR	2294	Internship	3

Computer Science

CSCI	1110	Informatics	3

Construction

BLDG	1110	Principles of Residential & Commercial Construction	3

Cosmetology

COSM	1200	Salon Practicum	1-18
COSM	2700	Nail Art	1
COSM	2800	Alexandria Body Sugaring	1

Criminal Justice

CRJU	2235	Criminal Justice Internship	1-4

Diesel Equipment Technology - Case IH and New Holland

DCNH	1118	CNH (Case New Holland) Supervised Occupational Experience (SOE) II	7

Dental

DENT	1103	Introduction for Dental Health Care Providers	2

Dental Assisting

DNAS	1144	Dental Assisting Clinical Affiliations	6

Dental Hygiene

DNHY	1124	Pain Control Lab	2
DNHY	1130	Dental Hygiene Principles III	1
DNHY	1132	Dental Hygiene Practice III	1

Diesel Equipment Technology

DSET	1140	Supervised Occupational Experience I	7

Diesel Equipment Technology - Truck Option

DTRK	1140	Supervised Occupational Experience I	7

Economics

ECON	2210	Macroeconomics	3
ECON	2222	Microeconomics	3

Electrical Technology

ELEC	1116	Conduit/Tool Applications	2
ELEC	1118	Electrical Services	3

English

ENGL	0096	Reading and Writing Strategies	6

*Some technical program courses begin May 10. Please refer to the M State class schedule for specific summer start dates, available online at: http://www.minnesota.edu/class-schedules/#/.

ENGL	0097	Express English Strategies	3
ENGL	1101	College Writing	3
ENGL	1101	College Writing	3
ENGL	1205	Writing About Literature	3
ENGL	1210	Writing About Current Issues	3
ENGL	1215	Professional and Technical Writing	3
ENGL	2239	Nature Writers	3
ENGL	2372	Children's Literature	3

English Language Learners

ELL	0050	English Language Learner Foundations	4
ELL	1080	English Language Learner Writing II	3

Esthetist

ESTH	1801	Advanced Skin Treatments	1

Health Information Technology

HITM	1159	Professional Practice Experience Functions	2
HITM	2272	Professional Practice Experience Coding	2

Health

HLTH	1116	Medical Terminology	3
HLTH	2208	Pathophysiology	3

History

HIST	1600	History of Baseball	3
HIST	2213	American History: 20th Century	3

Human Resources

HRES	1122	Human Resources Management	3

Humanities

HUM	1105	Religion in the Humanities	3
HUM	1132	Women in the Humanities	3
HUM	2236	Technology in the Humanities	3

Marketing

MKTG	1110	Customer Service	3
MKTG	2290	Management, Marketing and Sales Internship	3
MKTG	2292	Supervised Occupational Experience II	3

Marine Engine Technology

MRNT	2001	Marine Internship	1

Math

MATH	0055	Foundational Mathematics	2
MATH	0085	Elementary Algebra I	2
MATH	0095	Elementary Algebra II	2
MATH	1020	Intermediate Algebra	3
MATH	1114	College Algebra	4
MATH	1116	College Trigonometry	3
MATH	1118	Precalculus	5
MATH	1213	Introduction to Statistics	4

Medical Administrative Assistant

ADMM	1152	Outpatient Coding	4
ADMM	2130	Medical Office Career Insight	2
ADMM	2320	Medical Office Capstone	1

Music

MUSC	1118	Rock and Pop Music	3

Nursing

NURS	2410	Role Transition	2

Pharmacy Technology

PHRM	2010	Experiential / Hospital	3
PHRM	2012	Experiential / Retail	3

Philosophy

PHIL	1211	Introduction to Philosophy	3

Practical Nursing

PNSG	1524	Practical Nursing Mental Health	2
PNSG	1526	Clinical II Practical Nursing	5

Psychology

PSYC	1200	General Psychology	3
PSYC	2222	Developmental Psychology	3
PSYC	2226	Behavior & Environment Management	3

Radiologic Technology

RADT	1102	Fundamental Concepts of Radiologic Technology	2
RADT	1180	Radiographic Clinical I	5
RADT	1190	Radiographic Clinical II	5

Sociology

SOC	1111	Introduction to Sociology	3

Theatre Arts

THTR	1100	Introduction to Theatre	3

Women's Studies

WMST	1136	Global Perspectives of Women	3

Fall term is August 21 through December 15.

Accounting

ACCT	1012	Principles of Bookkeeping	3
ACCT	1101	Payroll	3
ACCT	1108	Business Math and Calculators	3
ACCT	1120	Business Law	3
ACCT	1124	Spreadsheet Applications	3
ACCT	2201	Financial Accounting I Lab	1
ACCT	2203	Managerial Accounting Lab	1
ACCT	2211	Financial Accounting I	3
ACCT	2213	Managerial Accounting	3
ACCT	2216	QuickBooks	3
ACCT	2217	Microsoft Dynamics GP	3
ACCT	2255	Income Tax-Individual	3
ACCT	2620	Intermediate Accounting I	4
ACCT	2640	Accounting Internship	1-4

Administrative Support

ADMS	1100	Keyboarding I	3
ADMS	1110	Word Processing	3
ADMS	1112	Desktop Publishing	3
ADMS	1116	Business Communications I	3
ADMS	1128	Records Management	3
ADMS	1130	Office Software Applications	3
ADMS	1142	Career Internship I	2
ADMS	1310	Critical Workplace Skills	3
ADMS	2240	Administrative Office Professional Internship II	3

American Sign Language

ASL	1111	American Sign Language and Deaf Culture I	3
ASL	1112	American Sign Language and Deaf Culture II	3

ASL	1115	American Sign Language and Deaf Culture V	3
ASL	2000	Advanced Fingerspelling, Numbers and Classifiers	2
ASL	2100	Linguistics of American Sign Language	3

Anthropology

ANTH	1100	Anthropology	3

Architectural Technology

ARCH	2218	Architectural Internship	3
ARCH	2226	Residential Project II	4
ARCH	2230	Mechanical and Electrical Integration	2
ARCH	2236	Architectural Presentation	2

Art

ART	1107	Foundations of Art, 2-D	3
ART	1108	Foundations of Art, 3-D	3
ART	1110	Introduction to Art	3
ART	1111	Drawing I	3
ART	1112	Painting I	3
ART	1121	World of Art I	3
ART	1124	American Art	3
ART	1140	Handbuilt Ceramics	3
ART	1141	Ceramics I	3
ART	2114	Photographic Art I	3
ART	2241	Advanced Ceramics	3

Automotive Service Technology

AMST	1102	Alignment & Suspension I	3
AMST	1105	Brakes I	3
AMST	1110	Batteries, Starting and Charging Systems	2
AMST	1111	Automotive Electronics	3
AMST	1122	Engines I	3
AMST	1126	Engines II	3
AMST	1132	Drive Trains I	3
AMST	1136	Drive Trains II	3
AMST	2201	Alignment & Suspension II	3
AMST	2211	Exhaust Analysis Fuel Systems	3
AMST	2214	Electronic Powertrain Control I	3
AMST	2220	Ignition Systems	3
AMST	2225	Brakes II	3

Biological Sciences

BIOL	1104	Biology of Human Concerns	3
BIOL	1107	Environmental Science Issues	3
BIOL	1108	Environmental Science Issues Lab	1
BIOL	1122	General Biology I	4
BIOL	2010	General Ecology	4
BIOL	2202	Principles of Nutrition	3
BIOL	2260	Human Anatomy and Physiology I	3
BIOL	2261	Human Anatomy and Physiology I Lab	1
BIOL	2262	Human Anatomy and Physiology II	3
BIOL	2263	Human Anatomy and Physiology II Lab	1
BIOL	2265	Diagnostic Microbiology	4
BIOL	2267	Medical Microbiology	3
BIOL	2268	Medical Microbiology Lab	1
BIOL	2970	Internship Experience	1-3

Business Computers

MIS	1100	Business Computers	3

Business Management

BUS	1120	Spreadsheet & Database Concepts	3
BUS	1141	Introduction to Business	3
BUS	1143	Office Procedures	3
BUS	1146	Personal Finance	3
BUS	1174	Principles of Banking	3
BUS	1175	Fundamentals of Investing	3
BUS	1300	Financial Statement Analysis	3
BUS	2204	Principles of Management	3
BUS	2206	Principles of Marketing	3
BUS	2220	Global Business	3

Cardiovascular Technology - Invasive

CVRI	1100	Cardiovascular Technology Survey	2
CVRI	1110	Cardiovascular Anatomy and Physiology	3
CVRI	1120	Principles of Patient Care	4
CVRI	1130	Cardiovascular Technology I	3

Chemistry

CHEM	1100	Fundamental Concepts of Chemistry	3
CHEM	1101	Principles of General Chemistry	4
CHEM	1111	General Inorganic Chemistry I	5
CHEM	2224	Organic Chemistry I	5
CHEM	2970	Internship Experience	1-3

Child Care Education

CDEV	1105	Development/Guidance	3
CDEV	1107	Intro to Early Education	3
CDEV	2238	Integrating Children with Special Needs	3
CDEV	2241	Observing and Assessing	2
CDEV	2242	Infant/Toddler Programming	3
CDEV	2244	Parent & Professional Relations	3

Civil Engineering Technology

CIVL	1100	Survey I: Fundamentals	3
CIVL	1119	Survey II: Land Surveys	3
CIVL	2210	Road Design	3
CIVL	2234	Utility Design	3
CIVL	2240	Introduction to Geographic Information Systems	3

Commercial Drivers License

TRDR	1101	Commercial Drivers License I	1
TRDR	1103	Commercial Drivers License II	1

Communication

COMM	1120	Introduction to Public Speaking	3
COMM	1130	Small Group Communication	3
COMM	1140	Interpersonal Communication	3
COMM	2230	Intercultural Communication	3

Computer

CPTR	1001	Introduction to Programming and Scripting	3
CPTR	1100	Fundamental Computer Concepts	1
CPTR	1104	Introduction to Computer Technology	3
CPTR	1106	Microcomputer Databases	3
CPTR	1108	Cisco 1	3
CPTR	1110	Visual Basic Programming I	3
CPTR	1118	Cisco 2	3
CPTR	1122	Microcomputer Maintenance	3
CPTR	1125	IT Essentials	3
CPTR	1129	RPG Programming	4
CPTR	1135	Beginning Networking	3
CPTR	1138	Information Systems	3
CPTR	1148	Microcomputer Operating System	3
CPTR	1170	Web Engineering I	3
CPTR	1178	Robotics	3
CPTR	2000	Mobile Application Development	3
CPTR	2224	Linux I	3
CPTR	2230	Structured Query Language	3
CPTR	2236	Network Security	3
CPTR	2242	Java Programming	3
CPTR	2272	Network Operating Systems	3
CPTR	2294	Internship	3

Computer-Aided Drafting

CADD	1000	AutoCAD Basics	3
CADD	1102	Fundamentals of CADD	4

Computer Network Security

CSEC	2212	Web Security	3

Computer Science

CSCI	1101	Computer Essentials	1
CSCI	1110	Informatics	3
CSCI	1121	Computer Science I	4

Construction

BLDG	1114	Blueprint Reading I	2

Construction Management

CONM	1101	Construction Documents and Codes	3
CONM	1102	Site/Building Layout	2
CONM	1104	Construction Management Principles	2
CONM	1108	Principles of Estimating	4
CONM	1124	Building Systems	3
CONM	2204	Materials Testing	3
CONM	2212	Site Management	3
CONM	2222	Construction Management Internship	2

Cosmetology

COSM	1000	Principles and Practices	3
COSM	1117	Shampooing and Rinsing	1
COSM	1119	Haircutting	1
COSM	1129	Hairstyling	1
COSM	1161	Nail Structure and Growth	1
COSM	1179	Minnesota Cosmetology Laws and Rules	1
COSM	1200	Salon Practicum	1-18
COSM	2100	Chemical Texture Services	1
COSM	2200	Manicuring/Pedicuring	1
COSM	2400	Advanced Nail Techniques	1

Criminal Justice

CRJU	1101	Introduction to Criminal Justice	3
CRJU	1102	Policing and Practices	3
CRJU	1106	Introduction to Corrections and Probation	3
CRJU	1117	Special Topics In Criminal Justice	3
CRJU	2201	Criminal Law	3
CRJU	2209	Criminal Investigations	3

Culinary Arts

CULN	1102	Intro to Foodservice Preparation	4
CULN	1104	Stocks, Sauces and Soups	2
CULN	1106	Culinary Foundations Lab A	6
CULN	1118	Cafe Lunch Foundations	5
CULN	1120	Kitchen Math, Formulas and Spreadsheets	1
CULN	1122	Sanitation Certification	1
CULN	2202	Meats	2
CULN	2204	Cafe Breakfast Foundations	5
CULN	2206	Buffet Presentation and Production	3
CULN	2214	Culinary Foundations Lab B	6
CULN	2222	Supervision Lab	6
CULN	2228	Food Cost Control	3
CULN	2240	Internship	2

Dental

DENT	1100	Biomaterials	3
DENT	1102	Dental Anatomy	2
DENT	1104	Dental Health Care Providers II	1
DENT	1106	Dental Radiology Lecture	3

Dental Assisting

DNAS	1103	Clinical Assisting I	6
DNAS	1106	Biodental Science	3
DNAS	1210	Radiology Lab	1

Dental Hygiene

DNHY	1104	Dental Anatomy Lab	1
DNHY	1106	Head and Neck Anatomy	2
DNHY	1109	Radiology Lab	2
DNHY	1110	Dental Hygiene Principles I	2
DNHY	1112	Dental Hygiene Practice I	3
DNHY	1118	Oral Pathology	2
DNHY	2210	Dental Hygiene Principles IV	2
DNHY	2213	Dental Hygiene Prac IV	6
DNHY	2219	Periodontology	2
DNHY	2226	Community Dental Hygiene	4
DNHY	2240	Clinical Affiliation I	1

Diesel Equipment Technology

DSET	1100	Diesel Equipment Fundamentals	2
DSET	1101	Software Systems in Transportation	2
DSET	1106	Fuel Systems	2
DSET	1112	Hydraulics I	4
DSET	1114	Vehicle Brakes	3
DSET	1124	Diesel Shop Management	1
DSET	1130	Trans Elec/Start/Charge	4
DSET	2204	Advanced Electrical and Emission Systems	3
DSET	2214	Suspension & Alignment	3
DSET	2218	Advanced Fuels	3
DSET	2242	Advanced Engines and Fuel Systems	6

Diesel Equipment Technology - Case IH and New Holland

DCNH	1116	CNH (Case New Holland) Supervised Occupational Experience (SOE) I	3
DCNH	2242	Advanced Engines and Fuel Systems	6

Diesel Equipment Technology - Truck Option

DTRK	2214	Suspension and Alignment	3
DTRK	2242	Advanced Engines and Fuel Systems	6

Drafting and 3D Technologies

MCDD	1104	Mechanical Engineering Drawing I	4
MCDD	1114	Manufacturing Process	2
MCDD	2112	Geometric Dimensioning and Tolerancing	2
MCDD	2200	Advanced Modeling with Solidworks	3
MCDD	2204	Mech Engineering Drawing III	4
MCDD	2210	Advanced Modeling with Inventor	3
MCDD	2230	3D Printing and Prototyping	2
MCDD	2246	Tool Design	3

Economics

ECON	1150	Essentials of Economics	3
ECON	2210	Macroeconomics	3
ECON	2222	Microeconomics	3

Education

ED	2205	Introduction to Education and Technology	2
ED	2206	Early Field Experience	1

Electrical Line Worker Technology

ELWT	1102	Line Worker Theory I	4
ELWT	1104	Electrical Structure Installation	5
ELWT	1106	Climbing Electrical Structure	4
ELWT	1108	Construction of Overhead Structures	3

Electrical Technology

ELEC	1100	Electrical Safety	1
ELEC	1102	Intro to Electrical Circuit Theory	4
ELEC	1104	Introduction to National Electrical Code	2
ELEC	1107	Intro to Residential Wiring	3
ELEC	1114	National Electrical Code	2
ELEC	1122	Introduction to Electrical Materials	1
ELEC	1124	Intro to Electrical Blueprint Reading	2
ELEC	2202	Heating/Cooling Controls	3
ELEC	2205	Introduction to Commercial Wiring	3
ELEC	2206	Introduction to Motor Control Applications	3
ELEC	2208	Programmable Logic Controllers	2
ELEC	2211	Electronic Motor Control	3
ELEC	2225	Transformers	2
ELEC	2250	Special Topics/Projects	2

Energy

ENST	2002	Energy Safety Principles	1
ENST	2222	Blueprint Reading for Energy Industry	2

English

ENGL	0096	Reading and Writing Strategies	6
ENGL	0097	Express English Strategies	3
ENGL	0098	Accelerated English	3
ENGL	1101	College Writing	3
ENGL	1101	College Writing	3
ENGL	1205	Writing About Literature	3
ENGL	1210	Writing About Current Issues	3
ENGL	1215	Professional and Technical Writing	3
ENGL	2200	Introduction to Creative Writing	3
ENGL	2230	Environmental Literature	3
ENGL	2235	Introduction to Literature: Drama	3
ENGL	2236	Introduction to Literature: Novel	3
ENGL	2238	Literature, Illness, and the Human Condition	3
ENGL	2239	Nature Writers	3
ENGL	2302	American Ethnic Literature	3
ENGL	2323	Horror and Supernatural Fiction	3

English for Academic Purposes

EAP	0095	Editing Strategies I	2
EAP	0096	Reading Strategies I	2

English Language Learners

ELL	0050	English Language Learner Foundations	4
ELL	0060	English Language Learner Reading	3
ELL	1060	English Language Learner Writing I	4
ELL	1080	English Language Learner Writing II	3
ELL	1175	English Language Learner Listening Comprehension and Speaking	3

Engineering

ENGR	2220	Engineering Mechanics II	3

Engineering Technology

ENGT	1118	Construction and Manufacturing Math	3
ENGT	1126	Engineering Graphics	3
ENGT	1134	Office Systems and Equipment	3

Entrepreneurship

ENTR	1100	Introduction to Entrepreneurship	3
ENTR	1400	Opportunity Analysis	3
ENTR	2200	Entrepreneurial Field Studies	3

Equine Science

EQSC	1001	Introduction to Equine Science	1
EQSC	1050	Equine Anatomy	3
EQSC	1130	Stable Operations I	1
EQSC	1140	Western Horsemanship	3
EQSC	1150	Fundamentals of Riding Instruction	2
EQSC	1190	Farrier Science	2
EQSC	1200	Equine Events Management	1
EQSC	2501	Equine Internship	6

Fire Department Company Officer

FIRE	1100	Intro to Fire Service	2
FIRE	1106	Firefighter I and II	3
FIRE	1108	Firefighter I & II Skills	4
FIRE	1150	HazMat Operational	3

Gas Utility and Construction

GAS	1000	Gas Utility Field Training I	4
GAS	1004	Gas Utility Field Training II	4

Graphic Design Technology

GDTC	1100	Macintosh Production Processes	3
GDTC	1113	Design & Layout I	3
GDTC	1126	Digital Photography	3
GDTC	1134	Electronic Drawing I	3
GDTC	2203	Electronic Image Manipulation	3
GDTC	2212	Design & Layout III	3
GDTC	2244	Advanced Electronic Imaging	3
GDTC	2278	Digital Pre-Flight	3

Health

HLTH	1100	Introduction to Nutrition	2
HLTH	1110	Introduction to Anatomy and Physiology	3
HLTH	1116	Medical Terminology	3
HLTH	2208	Pathophysiology	3
HLTH	2215	EMT Basic	6

Health Care

HCCC	1000	Healthcare Core Curriculum	4
HCCC	1001	Nursing Assistant Skill Set	2

Health Information Technology

HITM	1150	Introduction to Health Care Delivery	3
HITM	2204	Fundamentals of Electronic Health Records	3
HITM	2211	Basic Pharmacology for Coders	2
HITM	2216	Introduction to Procedure Coding	3
HITM	2263	Reimbursement Systems	3
HITM	2272	Professional Practice Experience Coding	2
HITM	2275	Health Record Documentation	1
HITM	2282	Introduction to Diagnosis Coding	3

Heating, Ventilation and Air Conditioning/Refrigeration

HVAC	1102	Duct Fitting Construction	3
HVAC	1103	Electricity for HVAC	4
HVAC	1128	HVAC Design & Installation	5
HVAC	2202	Air Handling	2
HVAC	2290	Heating, Ventilating, and Air Conditioning Internship	1

History

HIST	1110	Western Civilization Ancient - 1400	3
HIST	1111	Western Civilization: 1400-1600	3
HIST	2211	American History: the Colonial Period	3
HIST	2212	American History: 19th Century	3
HIST	2213	American History: 20th Century	3

Humanities

HUM	1101	Introduction to Humanities	3
HUM	1105	Religion in the Humanities	3
HUM	1110	Native American Culture	3
HUM	2210	Introduction to Film	3
HUM	2236	Technology in the Humanities	3

Human Resources

HRES	1122	Human Resources Management	3
HRES	1126	Employee Processes	3
HRES	1130	Benefits Administration	3
HRES	2204	Policy Administration	3
HRES	2224	Employee/Labor Relations	3
HRES	2245	HR Internship	1-4
HRES	2254	Human Resource Systems and Portfoilio Evaluation	3

Information Technology

ITSS	1100	Information Technology Help Desk	3

Math

MATH	0055	Foundational Mathematics	2
MATH	0085	Elementary Algebra I	2
MATH	0095	Elementary Algebra II	2
MATH	1000	Technical Math	3
MATH	1020	Intermediate Algebra	3
MATH	1100	World of Math	3
MATH	1102	Finite Math	3
MATH	1114	College Algebra	4
MATH	1115	Functions/Trigonometry	4
MATH	1122	Applied Calculus/Linear Algebra	3
MATH	1134	Calculus I	5
MATH	1213	Introduction to Statistics	4
MATH	2231	Calculus III	4

Marine Engine Technology

MRNT	2205	Marine Advanced Fuel Systems	3
MRNT	2206	EFI Systems	3
MRNT	2223	Advanced Drives	3
MRNT	2233	Engine Performance Rebuild and Diagnostics	4

Marketing

MKTG	1106	Professional Selling	3
MKTG	1110	Customer Service	3
MKTG	1116	Advertising and Promotion	3
MKTG	2204	Advanced Professional Selling	3
MKTG	2214	E Marketing	3
MKTG	2218	Retail Management	3
MKTG	2230	Marketing Research	3
MKTG	2232	Marketing Management	3
MKTG	2234	Computer Marketing Applications	3
MKTG	2236	Small Business Management	3
MKTG	2290	Management, Marketing and Sales Internship	3

Massage Therapy

THPY	1110	Massage Tech/Ethics	3
THPY	1118	Kinesiology	3
THPY	1148	Sports Massage Hydrotherapy	2

Medical Administrative Assistant

ADMM	1110	Medical Documentation Fundamentals	4
ADMM	1122	Medical Office Procedures	4
ADMM	1140	Medical Language Applications	3
ADMM	1150	Medical Billing/Insurance	4
ADMM	1160	Beginning Medical Transcription	3
ADMM	1200	Medical Office Technology Tools	2
ADMM	2122	Medical Office Management	3
ADMM	2130	Medical Office Career Insight	2
ADMM	2150	Medicare Coding and Billing Applications	3
ADMM	2152	Advanced Coding	4
ADMM	2154	Hospital Billing	2
ADMM	2256	Certified Professional Biller Examination	1
ADMM	2258	CPC Examination Review	1
ADMM	2320	Medical Office Capstone	1

Medical Interpreting

ASLM	1110	Introduction to Medical Interpreting	3
ASLM	1114	Introduction to Mental Health Interpreting	3

Medical Laboratory Technician

MLT	1110	Phlebotomy Skills	2
MLT	1115	Basic Laboratory Techniques	2
MLT	2130	Diagnostic Chemistry	4
MLT	2315	Immunology	2
MLT	2345	Clinical Applications	2

Multicultural Studies

MCS	2230	Multicultural America	3
MCS	2231	Multicultural America: Service Learning	1

Music

MUSC	1113	Beginning Class Voice	1
MUSC	1114	Beginning Class Piano	2
MUSC	1115	American Musical Heritage	3
MUSC	1116	The World of Music	3
MUSC	1117	Beginning Class Guitar	2
MUSC	1118	Rock and Pop Music	3
MUSC	1120	Introduction to Music Technology	3
MUSC	1121	Basic Theory and Musicianship I	3
MUSC	1123	Sight Singing & Ear Training	1
MUSC	1135	Voice Ensemble	1
MUSC	1141	Concert Choir	1
MUSC	1145	Chamber Chorale	1
MUSC	1151	Individual Voice Lessons	1
MUSC	1162	Jazz Ensemble	1
MUSC	1164	Concert Band	1
MUSC	1181	Private Instrumental Lessons	1
MUSC	1191	Individual Piano Lessons	1
MUSC	2223	Sight Singing and Ear Training III	1
MUSC	2231	Advanced Theory and Musicianship III	3
MUSC	2251	Individual Voice Lessons	2
MUSC	2281	Private Instrumental Lessons	2
MUSC	2291	Individual Piano Lessons	2

Nursing

NURS	1400	Introduction to Professional Nursing	2
NURS	1406	Nursing Fundamentals I	3
NURS	1415	Nursing Clinical I	2
NURS	1416	Nursing Fundamentals II	4
NURS	1426	Reproductive Health	2
NURS	2410	Role Transition	2
NURS	2426	Reproductive Disorders	2
NURS	2437	Nursing Clinical II	4
NURS	2438	Restorative Nursing I	4
NURS	2447	Nursing Clinical III	4
NURS	2448	Restorative Nursing II	3
NURS	2455	Advanced Intravenous Therapy	1
NURS	2464	Nursing Leadership	1
NURS	2466	Mental Health Nursing	2

Paralegal

PARA	1101	Intro to Paralegal	3
PARA	1102	Research and Writing I	3
PARA	1105	Criminal Law for Paralegals	3
PARA	2204	Real Property	3
PARA	2212	Family Law	3
PARA	2216	Paralegal Internship	3

Personal Development

PDEV	1101	Campus Life - Active Living	3
PDEV	1102	Contemporary Career Search	1
PDEV	1113	Career Life Planning	2

Pharmacy Technology

PHRM	1001	Fundamental Concepts of Pharmacy	3
PHRM	2001	Pharmacy Prin/Prac I	4
PHRM	2010	Experiential / Hospital	3
PHRM	2012	Experiential / Retail	3

Philosophy

PHIL	1200	Applied and Professional Ethics	3
PHIL	1201	Ethics	3
PHIL	1211	Introduction to Philosophy	3

Physical Education

PE	1109	Wellness Skills	2
PE	1141	Introduction to Strength Training	1
PE	1190	Varsity Football	1
PE	1194	Varsity Golf	1
PE	1197	Varsity Volleyball	1
PE	2100	Introduction to Sports Management	3
PE	2112	Applied Coaching: Football	1
PE	2114	Applied Coaching: Volleyball	1
PE	2145	Advanced Strength Training	1
PE	2190	Varsity Football II	1
PE	2254	Sports in Society	3

Physics

PHYS	1105	Fundamental Concepts in Physics	3
PHYS	1107	Physics of Music	3
PHYS	1401	College Physics I	4
PHYS	1411	University Physics I	5

Plumbing Technology

PLBG	1101	Piping and Job Safety	2
PLBG	1103	Plumbing Trade Tools	2
PLBG	1115	Faucets and Fixtures	2
PLBG	1119	Materials and Fittings	4
PLBG	1123	Plumbing Code 1	3
PLBG	1125	Plumbing Lab 1	2

Practical Nursing

PNSG	1508	Foundations of Adult Nursing Care I	8
PNSG	1514	Clinical I Practical Nurse Foundations	4
PNSG	1518	Foundations of Adult Nursing Care II	5
PNSG	1520	Nursing Care of Women/Newborns/Children	2
PNSG	1522	Transition to Practical Nursing Practice	1
PNSG	1524	Practical Nursing Mental Health	2
PNSG	1528	Clinical II Practical Nursing	4

Political Science

POLS	1120	American National Government	3

PowerSports Technology

PWST	1406	Chainsaws and Generators	2
PWST	2304	Motorcycles I	3
PWST	2306	Snowmobile Drives & Suspensions	3
PWST	2311	Motorcycles II	3

Psychology

PSYC	1101	Human Interaction	3
PSYC	1200	General Psychology	3
PSYC	1201	Introduction to Mental Health Behavioral Aide	4
PSYC	2220	Abnormal Psychology	3
PSYC	2222	Developmental Psychology	3
PSYC	2226	Behavior & Environment Management	3

Radiologic Technology

RADT	1112	Intro to Rad Tech/Patient Care	4
RADT	1116	Radiographic Procedures I	5
RADT	1124	Radiographic Procedures II	4
RADT	2100	Radiographic Clinical III	5
RADT	2110	Radiographic Clinical IV	5
RADT	2224	Imaging Equipment	4

Refrigeration

REFR	2202	Commercial Refrigeration and Air Conditioning Principles	4
REFR	2204	Commercial Refrigeration and Air Conditioning Lab	3
REFR	2206	Commercial Electrical Principles	3
REFR	2208	Commercial Elecrical Lab	3
REFR	2216	Refrigeration Internship	3

Sign Language Interpreter

IPP	1112	Beginning ASL to English	3
IPP	1113	Beginning English to ASL	3
IPP	2114	Educational Interpreting	2
IPP	2215	Topics in Interpreting	2
IPP	2216	Practicum	1

Social Work

SW	2250	Introduction to Social Work/Social Welfare	3

Sociology

SOC	1111	Introduction to Sociology	3
SOC	1113	Social Problems	3
SOC	2213	Sociology of the Family	3
SOC	2215	Criminology	3
SOC	2217	Rural Society	3
SOC	2222	Sociology of Agriculture	3

Spanish

SPAN	2211	Intermediate Spanish	4

Surgical Technology

SURT	1200	Introduction to Surgical Technology	3
SURT	1210	Surgical Technology	6
SURT	1230	Surgical Technology III	4
SURT	1250	Surgical Clinical I	6
SURT	1255	Surgical Clinical II	6

Theatre Arts

THTR	1100	Introduction to Theatre	3
THTR	1125	Theatre Technical Practicum	2
THTR	1130	Stage Make-up	3
THTR	1140	Stagecraft	3

Transportation

TRNS	1001	Fuel Systems I	3
TRNS	1003	Off-Road Literature and Computer Systems	2
TRNS	1005	Off-Road Electrical Systems	2
TRNS	1006	Off-Road Vehicle Maintenance	4
TRNS	1102	Intro to Transportation	2
TRNS	1104	Transportation Electronics	3

Web Development

WEBD	1000	Foundations of Web Design	3
WEBD	1010	HTML	3
WEBD	1020	Photoshop	3
WEBD	1110	Cascading Style Sheets	3
WEBD	1130	Electronic Commerce	3

Women's Studies

WMST	1136	Global Perspectives of Women	3

INTERESTED IN M STATE?

We offer more than 70 programs and 120 degree options on our four campuses and through online delivery. We can help you get on track to learn more to earn more.

Go to **minnesota.edu/interest** to request more information.

VISIT M STATE

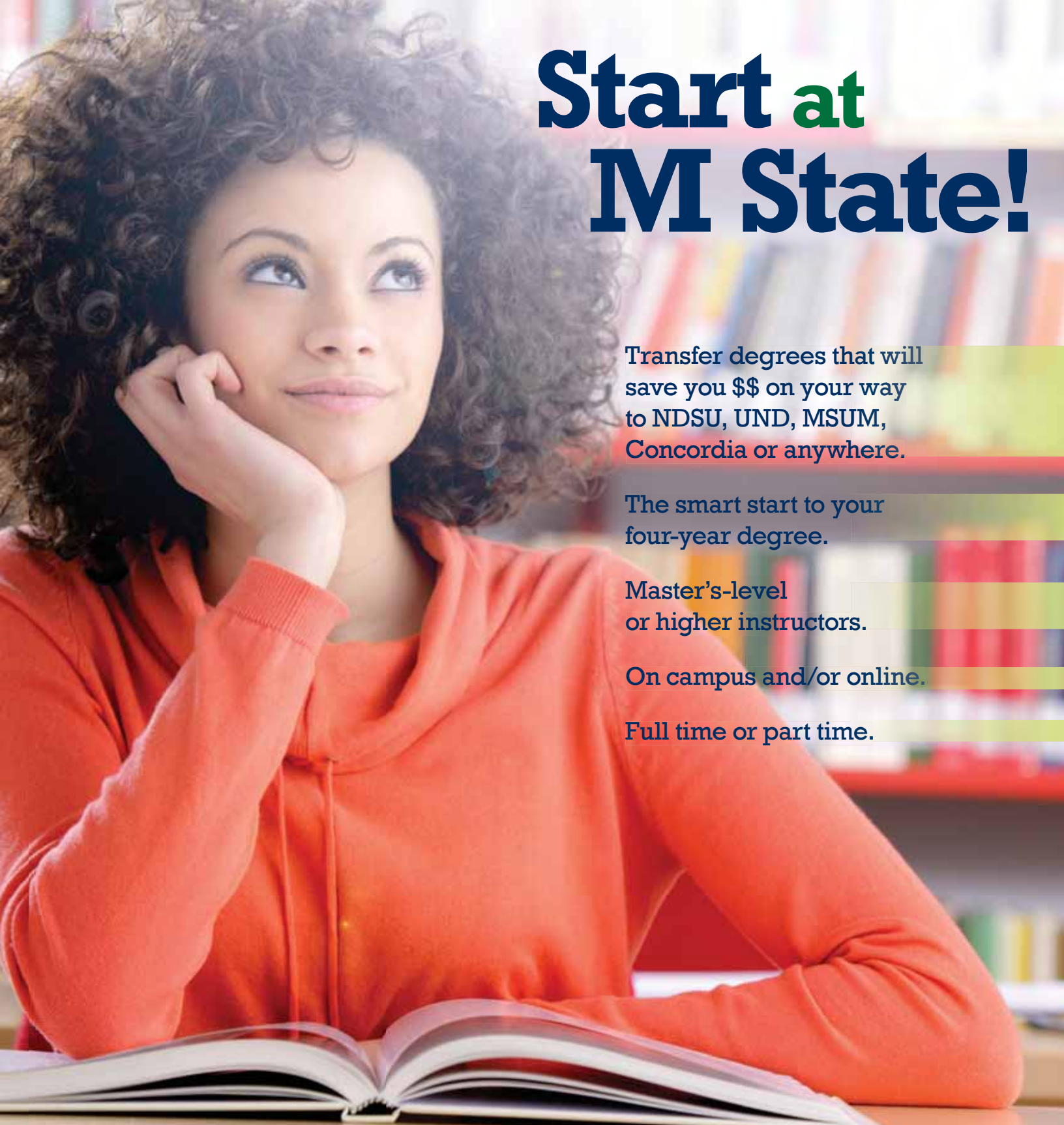
Come check us out in person! We'll show you the campus, discuss your academic plans and introduce you to faculty and staff who understand your interests.

To schedule a visit, call 877.450.3322 or sign up online at **minnesota.edu/visit**.

APPLY TO M STATE

We invite you to become part of the M State family!

Admission to M State starts with the online application available at **minnesota.edu/admissions**.



Start at M State!

Transfer degrees that will save you $$ on your way to NDSU, UND, MSUM, Concordia or anywhere.

The smart start to your four-year degree.

Master's-level or higher instructors.

On campus and/or online.

Full time or part time.

Start M State. Go anywhere.

17 to 1 STUDENT TO FACULTY RATIO

$207 thousand $$ IN SCHOLARSHIPS AWARDED ON AVERAGE EACH YEAR

80% of M STATE students receive FINANCIAL AID

NJCAA Our athletes compete in Division III athletics

Minnesota State Community and Technical College

LEARN MORE at minnesota.edu

LEARN MORE. PAY LESS!

M State has options that make college possible

Resident: $159.15 per credit

Non-resident: $159.15 per credit

Online: $197 per credit

Tuition rates 2016-17 academic year

Our tuition is already an exceptional value, and M State grants, scholarships and special programs help make earning a degree **even more affordable.**

More than 2200 students – 51 percent of our degree-seeking students – are attending M State tuition-free in 2016-17

The Most Affordable Option*

Average annual tuition and fees for full-time students (before scholarships and grants)

Four-Year Institutions

Two-Year Institutions

Private Non-Profit Colleges and Universities	University of Minnesota	Minnesota State Universities	Private For-Profit Colleges	**M State**

* Data from 2015-16 Guide to Minnesota State Colleges and Universities

Check out these opportunities, and remember that the first step in getting financial assistance is filling out the Free Application for Federal Student Aid at **fafsa.ed.gov**. You must complete the FAFSA in order to demonstrate financial need, which is a requirement for many grants and scholarships. M State's FAFSA Code is 005541.

If you have financial need and qualify for the maximum Federal Pell Grant, your tuition and fees for full-time attendance would be covered by that grant!

FAFSA

The 2017-2018 FAFSA is available!

Apply Soon!

Learn more about M State's financial options at **minnesota.edu/lmpl**.

Alliss Grant

The Alliss Two-Year Opportunity Grant is available to students who have financial need and are enrolled in AA, AS, AAS, AFA, diploma, certificate and Minnesota Transfer Curriculum courses designed to transfer to baccalaureate programs.

Students who enroll at M State are automatically considered for the Alliss Grant as part of the financial aid award process; qualified students will be contacted and asked to complete an application. Awards range from $350 to $1,100 per year and may be renewable.

Students who already earned a baccalaureate degree are not eligible.

Business Sponsorships

Business partners in some high-demand career fields have created sponsorships that support students in specific M State degree and diploma programs. Sponsored students may receive reimbursement for tuition and tools, as well as employment during the summer and the academic year.

For more information on sponsorship opportunities and requirements, please check program information online at minnesota.edu/sponsorships.

Foundation Scholarships

M State awards numerous scholarships through its four campus foundations, which are dedicated to making college affordable for qualifying students. Thanks to the generosity of M State's supporters and alumni, our foundations are able to award over 200 scholarships totaling more than $200,000 each year.

For information about foundation scholarships on the Detroit Lakes, Moorhead and Wadena campus, contact Denise Laymon at 218.846.3720 or denise.laymon@minnesota.edu.

For information about foundation scholarships in Fergus Falls, contact Lori Larson at 218.736.1514 or lori.larson@minnesota.edu.

Learn more at minnesota.edu/foundations.

PSEO

The Post-Secondary Enrollment Options program allows high school students to take college courses (taught by college or university faculty members) on a college campus or online.

Tuition and the cost of textbooks are paid by the school district. Students who participate in PSEO for their last two years of high school and complete the required number of credits are able to graduate concurrently from high school and M State with an associate degree.

To be eligible, high school juniors and seniors must meet minimum academic criteria. If you are interested in PSEO, talk to your high school guidance counselor and college admissions staff to determine if you qualify and learn the specific deadlines for enrollment. It is not necessary to demonstrate financial need in order to qualify for PSEO.

Learn more at minnesota.edu/pseo.

The Power of YOU

M State's Power of YOU means two years of tuition-free college for eligible students, allowing Power of YOU participants to transfer to a four-year college or university or enter the workforce with little or no student debt. Using scholarship funds contributed by community donors, Power of YOU will pay for all tuition costs that are not covered by state and federal grants. Along with financial assistance, Power of YOU helps students reach their academic and career goals with advising and academic support services.

Following a successful program pilot during the 2016-17 academic year, M State will begin accepting Power of YOU applications in February 2018 for Fall Semester 2018. Power of YOU participants are selected on the basis of financial need and other eligibility requirements. Learn more at minnesota.edu/powerofyou.

up2U

M State's up2U program rewards students who plan to earn an M State AA, AFA or AS transfer degree and transfer to an up2U partner university to complete a four-year degree. Through up2U, students can earn a scholarship award of between $250 and $18,000 for one academic year at one of M State's up2U partner universities.

To qualify, students need to enroll as a new student at M State (sorry, current and transfer students don't qualify) and meet specific criteria. Participation in up2U is not based on financial need. Prior to graduating from M State, students also must take the CLA+ performance task assessment.

The amount of the scholarship award will be based on the student's GPA and score on the CLA+.

For more information, call 877.450.3322 or visit minnesota.edu/up2u.

NECA Supports Electrical Technology at M State

Pictured (left to right) are **Russ Haltli**, Electrical Technology instructor; **Curt Kasper**, Dakotas Chapter NECA manager of career development; **Denise Laymon**, M State chief development and alumni officer; **Darren Dietrich** of Rickard Electric; **Rob Gephard** (M State '99) of Moorhead Electric; and **Rob Zachariason**, Electrical Technology instructor.

Since 2015, the Dakotas Chapter of the National Electrical Contractors Association has donated more than $55,000 in scholarship and endowment funds to the Moorhead Community and Technical College Foundation in support of the Electrical Technology program at M State.

"We support the Electrical Technology program at M State because we recognize the urgent need for skilled electricians throughout the industry," said Curt Kasper, assistant executive director and manager of career development for Dakotas Chapter NECA.

"For every journeyman electrician retiring, there is only about a half of a body to fill that void. Nationwide, we need 60,000 new electricians every year through 2020 to keep the labor pipeline full. The need is there, and M State has a strong program that produces quality graduates to help satisfy the demand."

The Dakotas Chapter NECA, established in 1949, currently has 42 electrical contractor members throughout North and South Dakota and western Minnesota. It is one of 119 NECA chapters in the United States.

NECA is the voice of the $130 billion electrical contracting industry that brings electrical power, lighting and communications to buildings and communities across the United States.

FACT

Moorhead Community and Technical College Foundation awarded $170,290 in scholarships for the 2015-16 academic year.

Moorhead Community and Technical College Foundation invites you to the

Sixth Annual

FOUR-PERSON GOLF *Scramble*

WEDNESDAY, JUNE 28 at the Hawley Country Club

1 pm Shotgun start • **6 pm** Dinner and reception

• $65 for 18 holes and 1/2 cart • $300 for hole sponsorship • $500 for hole sponsorship and four players

Proceeds benefit the Dan Sperling *Realize Your Dream* Endowment

For more information or to register, contact Lacey Hoffmann at 218.299.6545 or lacey.hoffmann@minnesota.edu

Minnesota State Community and Technical College

Simon Enjoys Giving Back to the Community Where She Began

Kayla Simon, a 2010 graduate of M State in Detroit Lakes with degrees in Liberal Arts and in Sales, Marketing and Management, is now back at M State.

After graduating from Frazee-Vergas High School, Kayla enrolled on M State's Moorhead campus, intending to earn a degree and join the workforce as soon as possible. Life does not always go according to plan, though. She had enlisted in the Minnesota National Guard in 2000, and in February 2004 – during her final semester at M State – she was called to active military duty and left the following month.

Kayla spent 19 months in Iraq, where she met her husband-to-be, and came home with a different outlook on life, a new plan and a need for some time to adjust to civilian life. She and her husband married, had two sons and moved back to Minnesota in 2009.

Going back to college to get her degree was No. 1 on her list of things to do, and she soon graduated from M State with both her sales and AA degrees. After working for several years for a non-profit that serves veterans who are in crisis or homeless, Kayla enrolled at Minnesota State University Moorhead and completed her bachelor's degree in social work in May 2014 and her Master of Social Work degree in December 2015.

"I can't tell you how exciting it was to walk across the stage at graduation, knowing that I accomplished what I set out to do 13 years prior," Kayla says.

Kayla's husband, Darius, completed his criminal justice degree at M State in 2011. "The convenience of the four campuses allowed my husband to take most of his classes in Detroit Lakes and online before finishing in Moorhead, where the program is housed," Kayla says.

Since their return to Minnesota, they have also added two more children to their family.

In August 2016, Kayla had the opportunity to return to M State as a college social worker, serving both the Detroit Lakes and Wadena campuses. She works with students to connect them with community resources and helps break down basic needs barriers that may be keeping them from graduating.

One of her first initiatives at M State was to address the food insecurities that many students face. Kayla worked with a local church to create a partnership that brought Ruby's Pantry to campus to serve college students and the Detroit Lakes community. This non-profit organization collects corporate surplus grocery items for monthly distribution in rural communities.

Kayla also brought together the local transit service and the campus Student Government Association, and the result is free bus rides for M State Detroit Lakes students.

Kayla sees her job as making connections for M State students. "It's exciting to be a part of something truly meaningful and giving back to the community where I began," she says.

FACT

Thanks to the support of Lake Region Electric Cooperative, an annual scholarship is available for military veterans who enroll in the Electrical Line Worker Technology program on M State's Wadena campus.

FACF Making a Difference

Donor support allows foundation to award record scholarship amount

With the help of willing volunteers and generous donors, Fergus Area College Foundation is making a difference on the Fergus Falls campus of Minnesota State Community and Technical College. Whether it is awarding a scholarship, funding a student life activity or providing a faculty grant to enhance teaching and learning, the Foundation impacts students each and every day.

We are grateful to the donors who help us accomplish our work.

During the 2016-17 academic year, the Foundation awarded more than $172,000 in scholarships to over 100 students. It is the largest amount the Foundation has awarded in its history. Scholarships recognize accomplishments and excellence in students. Scholarships encourage students and remind them that someone believes in them and their potential. Scholarships can mean the difference between going to college and NOT going to college for students who are faced with financial challenges. Thank you for choosing to support our students.

The list that follows recognizes donors to Fergus Area College Foundation from January 1 through December 31, 2016.

LEGACY ($10,000 or more)

Dell Charitable Trust
Otto C and Elsie Ewert Charitable Trust
Wallace R Johnson
Rosemary Moneta Rosengren
J. A. Wedum Foundation

BENEFACTOR ($5,000-$9,999)

David Lenzmeier
The Lundeen Foundation
Otter Tail Power Company

PILLAR ($1,000-$4,999)

Anonymous Donors
Brooke and Dick Barsness
Bernadeen Brutlag
Fergus Falls Business and Professional Women
Dale and Marless Cuperus
Edward Jones-Marcus Meder
John and Kim Erickson
Fergus Falls Fish & Game Club Foundation, Inc.
Carolyn and Don Glesne
Great Plains Natural Gas
Yvonne Hanley
Dacia and Todd Johnson
Jay and Bonnie Johnson
Kevin and Amy King
Steven and Marci King
Rosalie Knapp
Knights of Columbus, Our Lady of Fatima Council
Hal and Kelli Leland
David and Mary Lundeen
Dorothy Malm
Susan Mehl and Ruby, Greta and Nora Dahlen
Clay and Angela Moser
Jay and Kirsten Neumann
Ahmad and Ruth Orandi
Otter Tail County Bankers' Association
Ottertail Minn-Dakota Coaches
Park Region Telephone & Otter Tail Telcom
Paulson Land Co.
Pam Phillips
Janet Rosemary Prado
Kent and Marian Quamme
Paul and Beverly Richter
Senator Carl M. & H.M. Iverson Trust
Gregory Smith
Norman and Linda Sunstad
Joyce True
Bob and Gail Welle
Ann Williams

SPARTAN ($500-$999)

AmericInn
Ameriprise
Robert and Susan Anderson
Rob and Gretchen Bigwood
Brian Boss
Carlisle Band Inc.
Ramona and Jeffrey-James Caswell
Gail and Brad Childs
Jo Anne and Les Collins
Collins Trust
Corner Stone Lodge #99
Carolyn Cyr
Ron and Jennifer Godzinski, Jr.
Catherine and Mark Helland
Gary Henrickson
Renee Korda and Mark Olson
Margaret and Eldon Kratzke
Lake Region Healthcare
Hal and Donna Leland
Charles and Linda MacFarlane
Jean McKenzie
Phyllis and Tom Neuenfeldt
Noon Kiwanis
Guy and Pamela Olson
Otter Tail Corporation
David and Deb Retzlaff
Ryan and Heidi Retzlaff
Rohde Insurance Services
Larry and Mary Jo Schulz
Security State Bank
State Farm-Janet Swenson
State Farm Companies Foundation
Ward and Debbie Uggerud
David Weiss
James and Arlene Worner

PATRON ($100-$499)

Jill and Randy Abbott
Bill and Ginny Adams
Jack Amdal
Sharyn Anderson
Anonymous Donors
Barbara Bigwood
Carol and Markus Bischof
Mary Boeddeker Roers
Ron and Jody Brasel
Carrie and Matthew Brimhall

Spartans ALUMNI CONNECTIONS

Fergus Falls Spartan alum, FACF is always interested in hearing about your professional and personal accomplishments and the achievements of your fellow alumni. Visit the Spartan alumni update site at facfmstate.org and share your stories – include as much or as little information as you'd like! You also can find us on Facebook as Fergus Area College Foundation.

Baron Broschat
June and Kevin Clark
Gordon and JoAnn Cline
Scott and Deborah Colbeck
Jessica Daniels
Scott DeBrito
Bonnie and Rick Denzel
Christi Dickey
Sharon Donahue
Kay and Matthew Eckman
Deborah and Kim Embretson
Audrey Emmen
Doris Enderson
Karen and Lynn Gabrielson
Thomas Gausman
Wanda and Mark Haberer
LaVonn and Loren Hanson
Jeffrey Haukos
Janice and Ryan Hendrickson
Ken and Joyce Herbranson
Trudy and Warren Hershner
IAC Foundation
Ramona Jacobs
and Charles Christianson
Loni and Francis Jacobson
Rosa and Ron Jones
Gene and Sharon Jurgens
Peg and Bill Kalar
Brenda and Patrick Kava
Leon Keller
Peggy and Jon Kennedy
David Kenyon
Stuart Klovstad
Dan Knudson
Joel and Christine Kotschevar
Judith Kowalski Hensch
Jon Kragness
Lee and Margaret Krog
Alan Krueger
Lake Area Docks & Lifts, Inc.
Jeffrey and Renae Legge
Victor and Ann Lundeen
Jacquelyn Maethner
and Dean Jorud
Sharon and Randy Mann
Kelly and Tracy Mesker
MN Motor Co
Tracy and Jim Morstad
Dennis Moske
Garnet and Richard
Muehlhausen
Warren D and Marlene Nelson
Marlene Noack
Northern Aire Lanes
Rick and Becky Odden
Rod Olson
Jack and Sandra Pearson
Kenneth and Norma Peeders
Pickett & DeMuth, Ltd.
PioneerCare
Ann Porter
R.E. and Carol Pribbernow
Donavan and Renae Rasmusson
Amber and Ben Reed
Jason and Stephanie Retzlaff
Curt and Ann Rotto
LuAnn and Mike Rudh
Stephen and Sandy Rufer
Margaret and Mark Ruffino
John Rugroden
Ann Sandbo
Service Food
Curt Seter
Krista Shaikoski
Anne Siren Levig
Kevin Smith
Michael and Vicki Smith
Marilyn and Tim Swedberg
Loren and Darlene Synstelien
Ronald Tate
Teresa and David Thompson
Carol and John Totland
Underwood Ins Agency LLC
Susan and Allen Vickstrom
David Waage
Greg and Tara Wagner
Peter Wasberg
West Central Initiative
Louise E Williams
Diane and Doug Wolden
Neil Wothe
Vernon and Joyce Youngren

CONTRIBUTOR (up to $100)

Anonymous Donors
Jane Armstrong
Lynn and Brian Bakke
Heidi Balgaard
Nandini Banerji
Matthew and Brittany
Borcherding
Karen Bradford
Sue Briese
Richard C Bright
Alyssa and Chad Campion
Barb Carlson
Lori and Mike Charest
Susan M and Gary Clambey
Mona and Troy Davis
Michelle Ellis
Steve Estenson
Brian and Mindy Fuder
Gordon and Mary Ann Goese
James Greenwaldt
Darren Hage
Tanya Hanstad
Gail and Kent Hedstrom
Sharon and Thomas Hintgen
Duane M Huebsch
Brenda and Terry Johnson
Mary Kjell Normandin
Barbara LaPlante
Jon and Jenny Lillquist
Julianna Lindsey
M State Employees
Kirk Mann
Geoffrey and Vickie Melby
Jenni and Charles Melvin
Brenda and Brad Mergens
Jacqueline A Miller
Tom Millerbernd
George and Ina Myers
Larissa and Matt Ness
Dorothy Ness-Everett
North Country Lawns
Alfred and Marian Oftedahl
Connie M Olson
Scott and Yvette Oppegaard
Todd Ostby
Jim Pederson
Anthony Piperata
Virginia and Richard Portmann
Jess Price
Steve and Cathy Riewer
Carol and Daniel Roehl
Wayne and Gloria Ronning
Elizabeth Runyan Cecich
Karla Schmiesing
Ann Schwalboski
Jessica Sem
Mary Sieling
Julian and Audrey Sjostrom
Jill Stevens-Becker
Debbie Thormodson
Richard and Joanne Viger
John Walkup
Rodney and Sandra Wenstrom
Lowell and Doris Wilcox
Marcia Williams
Allan and Maren Windom
Wayne and Lori Wolden
Linda Wolfe

Grace Cummings Pas

Owner of Fargo's Grace Electric Got Wired for Success at M State

Devlin Cummings Pas

Meet Grace Cummings Pas, a 1996 graduate of the Electrical Technology program on M State's Moorhead campus and founder and operator of Grace Electric in Fargo.

She's a graduate with a success story in a trade area that is typically dominated by men. In fact, the U.S. Department of Labor estimates that women make up only 2.4 percent of electricians nationwide.

Grace writes:

"Prior to raising my family, I had gained 13 years of experience working in management positions at retail stores in both Minnesota and Washington. But in the early 1990s I made a decision that forever changed my life and the lives of those around me. It was a simple decision to reenter the workforce after having stayed home to raise three children while my husband worked full-time and I worked part-time on weekends as a waitress to help supplement the income of our household. After years of this routine, I felt a need to change to a more fulfilling work experience.

At first when I started to apply for work it was very stressful, almost overwhelming, to realize I would be starting at the bottom of the employment ladder. In my early 30s, I did not have the mindset to prove myself over and over again. I had real world experience and something to contribute to a job.

My experience as a homemaker was the source of inspiration for what I had to do next. As a young family we had to live on a budget. It was a necessity for me to make, fix, repair or reinvent what we had to do to stay within our means. Then the day came when, while I was shopping, I saw a book on simple home wiring and bought it. I started with simple home improvements such as installing a ceiling fan, adding extra lights to the garage and fixing our water heater.

Eventually I was reading more and more how-to manuals and found I enjoyed the accomplishments in making home repairs. My mind was made up: I decided that I wanted to become an electrician! It appealed to my nature, it gave me a sense of accomplishment that I knew wasn't going to come from an entry-level position in another career and it was something that would distinguish me in the workforce.

In 1994, I began the process of enrolling at Northwest Technical College, now M State. Looking back, enrolling in the Electrical Technology program was the best decision I ever made."

Grace has been in business for 12 years now and her son, Devlin, also decided to become an electrician after earning a bachelor's degree in philosophy and his law degree. Grace and Devlin earn a sense of fulfillment from the hard work they do.

As for Grace, every day as an electrician is a great day!

M State Second Annual Culinary Arts Gala

5:30-7:30 p.m. Wednesday, April 26
M State Café Commons - Moorhead Campus

Visit our many tasting stations and enjoy the gourmet creations of M State Culinary Arts students.

The suggested donation is $25. Proceeds will benefit the M State Culinary Arts Scholarship honoring Maynard Hemmah, who taught in the Culinary Arts program from 1965 until 1996.

An Added Benefit

Ecumen supports employees with M State scholarships

Stanley Ackerson and Bobbi Jo Koons

Meet Bobbi Jo Koons, an M State Practical Nursing graduate and the nurse assessment coordinator and lead nursing educator at Ecumen Detroit Lakes. Her warm smile is comforting to residents at Ecumen Detroit Lakes – and a bit contagious.

Bobbi's position is a testament to her determination to further her education and earn a Bachelor of Science degree in nursing, which she completed in 2016.

She has strong ties to the Detroit Lakes area, being a 2000 Detroit Lakes High School graduate, 2002 M State graduate and an Ecumen employee since 2000. Bobbi was able to pursue her bachelor's degree thanks to donor scholarships and the scholarship financial assistance program at Ecumen, a senior housing and services provider in 38 Minnesota communities and cities in seven other states.

In an effort to encourage more success stories like Bobbi's, M State and Ecumen have teamed up to combat the increasing worker shortage, to develop a better-educated workforce and to address student loan debt. The two organizations work collaboratively to provide a loan-free scholarship program offered through Ecumen.

"When we started looking at the (Ecumen Detroit Lakes) workforce, it was like, 'Hey, we have an opportunity (here)'," said Laura Boreen, who is the human resources director for Ecumen, a 2012 M State alumna and a Detroit Lakes Area College Foundation board director. Students who attend M State and work at Ecumen a minimum of 10 hours per week are eligible for scholarships that help pay tuition, books, fees and required supplies, plus reasonable childcare and travel expenses.

FACT

The Detroit Lakes Area College Foundation announces that a new student Adult Literacy Scholarship has been created with the support of M State faculty and the Detroit Lakes Kiwanis, Breakfast Rotary and Noon Rotary service clubs.

The hope of the collaboration is to increase the number of workers at the care facility and advance the educational opportunities of those employees.

In the past, Ecumen has offered scholarships to employees taking classes at M State, but not like this. Ecumen has recently awarded the following scholarships:

- 2015-2016 academic year: Three M State students received combined awards totaling $7,500
- 2016 fall semester: Six M State students received combined awards totaling $20,430
- 2017 spring semester: Eight M State students received combined awards totaling $15,000

M State students needn't be enrolled in the M State Nursing program to take advantage of the Ecumen scholarship program.

"This partnership goes well beyond a nursing degree," Laura said. Students majoring in health career programs, business, accounting, culinary arts, sales and marketing, massage therapy, information technology and other programs may be eligible.

"This gives students like Bobbi a clear path. It shows them how you can grow within an organization," said Karen Buboltz, director of student development services at M State Detroit Lakes, adding that it helps students get work experience in addition to graduating debt-free.

"The great thing, there is no deadline. The scholarships are open enrollment," said Laura. "We will just continue paying the scholarships as they come in."

For more information about the Ecumen scholarship program, contact the M State Support Center at 877.450.3322.

CONNECT Are you an M State alumni?

We want to hear from you. Visit **minnesota.edu/alumni** and update your contact information.
Join us on Facebook: Minnesota State Community and Technical College Foundation

Minnesota State Community and Technical College
Office of Communications and Marketing
405 Colfax Ave SW
Wadena, MN 56482

MINNESOTA STATE

Minnesota State Community and Technical College,
a member of the Minnesota State system

Get Started

1 Visit

Ready to learn more about M State? Check out our programs, then schedule a campus visit. You'll be able to ask questions and see all we have to offer!

minnesota.edu/programs
minnesota.edu/visit

2 Apply

APPLY

Apply to M State and submit your application materials:

- High school/GED transcript
- Official college transcripts
- $20 application fee (if required)

minnesota.edu/apply

3 Pay Less

Complete your Free Application for Federal Student Aid (FAFSA) and check out the many ways you can lower the cost of college.

minnesota.edu/lmpl

FAFSA Code: 005541

4 Get Accepted

CONGRATULATIONS! You're accepted!

Check your email and mailbox for a notification that you're accepted at M State! We'll also alert you if we are missing items required for acceptance.

Want to know right away if you're accepted? Opt in for text alerts when you complete your application.

5 Register

Next stop ... registration!

(Your acceptance notification will indicate whether Accuplacer assessments are required. If they are, sign up at minnesota.edu/assessment.)

minnesota.edu/registration

6 Start Your Journey

You're doing great! Prepare for the first day of classes by buying your course materials and books, and check out The Source and SpartanNet, your one-stop student portal.

minnesota.edu/SpartanNet
minnesota.edu/the-source

LEARN MORE
minnesota.edu
877.450.3322
info@minnesota.edu
minnesota.edu/help

Minnesota State Community and Technical College

Follow M State on social media