

Diesel Equipment Technology

Train at M State for a high-tech transportation career

Minnesota State Community and Technical College offers four programs to prepare you for a high-demand job as a diesel technician, including one program with an industry affiliation. You'll learn with state-of-the-art equipment in the diesel training facility on our Moorhead campus and through supervised work experiences.

Our Program

M State's Diesel Equipment Technology programs include:

- Associate of Applied Science degree (79 credits)
- AAS degree (79 credits) sponsored by Case IH or New Holland — Sponsored through the Forging the Future Partnership program, this program was the first CNH partnership in the nation and requires students to perform supervised occupational work experiences at Case IH or New Holland dealerships. Selected students may receive partial reimbursement for tuition and tools, employment with Case IH or New Holland during the academic year and during the summer, and uniforms for school and work.
- AAS degree (79 credits) Truck Option
- Diploma (65 credits)

State-of-the-Art Facilities

Students in the Diesel Equipment Technology program attend classes in M State's \$6.5 million Transportation Center, which opened in the fall of 2016. The opening of the center, which also houses the Automotive Service Technology program, means M State diesel and automotive students have the opportunity to work and learn in spacious labs and classrooms equipped with the most up-to-date equipment and cutting-edge technology.

Here's What You'll Learn

As a student in M State's Diesel Equipment Technology program, you'll get the training you need to diagnose and repair all components, including:

- Diesel engines
- Clutches and transmissions
- Starting and suspension systems
- Wheel alignment
- Air-conditioning and refrigeration systems
- Drive lines
- Differentials
- Hydraulic and air brake systems
- Electrical systems
- Electronically controlled fuel systems and transmissions

You'll be prepared for a career in the maintenance of trucks and trailers, farm equipment, construction equipment, stationary diesel engines in electrical generators and other related equipment.

Why M State

- Exceptional educational value
- Small class sizes and personalized instruction
- Participant in the Association of Diesel Specialists TechSmart program
- Accredited by the Associated Equipment Distributors Foundation
- Majority of instruction time spent in diesel lab working on live work or training models
- Opportunity to participate in industry partnerships and internships

Learn More

- Visit minnesota.edu/programs/diesel-equipment-technology
- Call 877.450.3322



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A member of the Minnesota State system

Automotive Service Technology

*Do you have
the drive to succeed
as an automotive
service technician?*

Our Program

Minnesota State Community and Technical College offers two options in Automotive Service Technology, a 72-credit Associate of Applied Science degree and a 69-credit diploma. As a graduate, you will have the technical skills to begin your career in the rapidly changing field of automotive technology. Our program, offered on M State's Moorhead campus, reflects the trend toward specialization in the automotive field.

Here's What You'll Learn

- Understand vehicle operating system theories
- Diagnose vehicle operating system problems
- Repair vehicle operating systems
- Interpret service information

Why M State

- Exceptional education value
- Small class sizes and personalized instruction
- Service and diagnostic procedures taught in modern labs equipped with current service and testing equipment
- Emphasis on hands-on learning
- Instructors and program certified in all eight areas of automotive service with NATEF/ASE
- Opportunity to work with local dealerships and independent shops while a student

State-of-the-Art Facilities

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Career Opportunities

Graduates of M State's Automotive Service Technology program will have employment opportunities as drive line technicians, drivability technicians, alignment and suspension specialists, and service advisors and managers. Opportunities for advancement may include factory and dealer representatives, management and self-employment.

Learn More

- Visit minnesota.edu/programs/automotive-service-technology
- Call 877.450.3322

Required Automotive Service Technology courses

- Introduction to Transportation
- Alignment and Suspension I and II
- Brakes I and II
- Starting and Charging
- Automotive Electronics
- Engines I and II
- Drive Trains I and II
- Body Electrical/Mechanical I and II
- Exhaust Analysis Fuel Systems
- Electronic Powertrain Control I and II
- Ignition Systems
- Automatic Transmissions I and II
- Heating, Ventilation and Air Conditioning
- Internship

Students entering the program should have good mechanical aptitude, good communication skills and the ability to read and comprehend service literature.



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