

TRANSPORTATION

AUTOMOTIVE SERVICE TECHNOLOGY

** All students applying for the transportation programs are REQUIRED to attend a Tuesday Campus Visit*

Delivery: Daytime Classes

Start: Fall or Spring Semester, Full-Time

AWARDS

Automotive Service Technology A.A.S. Degree 72 cr.

MAJOR DESCRIPTION

As skilled professionals, automotive technicians accurately diagnose mechanical problems related to engine, transmission, fuel injection, suspension, HVAC and electrical systems. Students learn to maintain and repair engine, chassis, drive train, front-wheel drive, fuel injection, hybrid/electric drive and electrical and emission systems. Instruction involves classroom theory, demonstrations, computer applications and hands-on car repair.

The curriculum follows the standards defined by the Automotive Service Excellence Education Foundation which ensures all training meets the highest standards. Students who graduate from this program will be able to work for independent repair facilities and dealerships in in various automotive service positions. See potential job titles for examples.

WORK ENVIRONMENT

Automotive technicians land jobs at dealerships, independent shops and specialty shops. They generally work indoors with good ventilation and lighting as well as strong safety precautions.

POTENTIAL JOB TITLES

- Automotive Technician
- Automobile Service Advisor
- Automotive Repair Technician
- Automotive Engineer
- Service Manager
- Light Duty Maintenance Technician
- Fleet Repair Technician
- Lube Technician
- Tire Technician

SALARY DATA

See latest data at careerwise.minnstate.edu.

- Average Wage: \$25.25/hour
- Top Earners: \$31.45/hour

ACCREDITATION

This program is accredited by the ASE Education Foundation.

ADDITIONAL INFORMATION

Scan the QR code for more program information and specific program costs; this program has additional cost for tools and shop attire.

All students applying for this program are required to obtain and maintain an internship with an approved business partner.



AUTOMOTIVE SERVICE TECHNOLOGY

A.A.S. DEGREE

All AUTM courses must be taken in the sequence below. Please contact your program advisor with questions.

First Year - First Semester 18 cr

AUTM1007	Intro to Automotive Technology	3
AUTM1201	Automotive Chassis Systems Internship	3
AUTM2017	Automotive Brake Systems	3
AUTM2027	Automotive Suspension Systems	3
AUTM2037	Automotive HVAC Systems	3
ENGL1150	Composition I or	
ENGL1200	Technical Writing	3

First Year - Second Semester 17 cr

AUTM1202	Automotive Powertrain Internship	3
AUTM2208	Introduction to Powertrain Systems	2
AUTM2218	Automotive Engine Fundamentals	3
AUTM2228	Automotive Transmission Fundamentals	3
AUTM2238	Automotive Driveline Fundamentals	3
	General Elective (MnTC Goal 3 or 4)	
	<i>B/OL1110 recommended</i>	3

Second Year - First Semester 17 cr

AUTM1203	Automotive Electronics Internship	3
AUTM2167	Automotive Electronics and Computers	3
AUTM2177	Automotive Starting and Charging Systems	3
AUTM2187	Vehicle Communication Systems	3
AUTM2196	Vehicle Accessory and Safety Systems	2
	General Elective (any MnTC Goal 1-10)	
	<i>PHIL1200 recommended</i>	3

Second Year - Second Semester 20 cr

AUTM1204	Engine Performance / EV Internship	3
AUTM2364	Engine Mechanical and Fuel Systems	3
AUTM2374	Engine Computer Control Systems	3
AUTM2384	Engine Ignition and Emission Systems	3
AUTM2393	Diesel, Hybrid, and Electric Drive Systems	2
COMS1020	Interpersonal Communication	3
	General Elective (any MnTC Goal 1-10)	
	<i>SOCY1010 recommended</i>	3

TOTAL PROGRAM REQUIREMENTS 72



DAKOTA COUNTY
TECHNICAL COLLEGE

A member of Minnesota State

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This information is available in an alternate format by calling 651-423-8469 or TTY/Minnesota Relay at 1-800-627-3529.