

Automotive Service Technology Associate in Applied Science

How can you turn a love of cars into a rewarding career?

If the hum of a smooth running engine gets you revved up, read on. Imagine the feeling of accomplishment from being able to diagnose and repair automotive problems. Automotive Service Technology students will develop knowledge and skills in electronics, drive axle and drive train repair, engine and transmission diagnosis and repair, steering, suspension and brake systems, fuel systems, electronic engine control diagnosis and drivability. This hands-on program is designed to give students intensive training and experience in the diagnosis, repair and service of current, as well as, past vehicle models.

The ASE-master-certified teachers keep up with the latest technology changes and regularly receive advanced training from vehicle manufacturers and aftermarket suppliers. Small class sizes, plus an excellent shop, add to the ideal learning environment. This program is NATEF (National Automotive Technician Educational Foundation) Accredited and has strong ties to the industry and their advisory committee.

Employment Outlook

Graduates will discover an open road when it comes to career opportunities. There is high demand for well-trained technicians. Choices for entry-level jobs include: service technicians for auto dealerships, independent shops or franchise service shops, parts salesmen and service writers. There is plenty of room for advancement to shop owner, service manager to research and development and company service representatives. A program advisor will be happy to give you direction that will put you on track to achieve your goals.

Related Programs

- Automotive Service Technology (Diploma)
- Collision Repair Technology (Diploma)



Degree Type: Associate in Applied Science (AAS)

Location: Albert Lea, D2L/Web Enhanced Courses

Program Starts: Fall or Spring

Total Credits: 72

Course Plan: Two Year

Program Costs:

Number of Credits: 72

Tuition per credit: \$162.00

Estimated Total Tuition Cost:
\$11,664.00

Additional Costs

Other required costs: \$1500

(Tool costs vary depending on vendor)

Books: \$850 (Some books for general education classes for technical programs may be in addition to book costs listed)

Articulation Agreements

Southwest Minnesota University
- BAS in Management

Faculty & Advisors

Jason Merritt

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Automotive Service Technology Program Curriculum

Requirements for Program Admission: Tool and Safety Kit Different options available, price varies per supplier.

Required Core Courses (21 Credits)

Crs ##	Name
TAST1201	Introduction to Automotive
TAST1202	Automotive Professional Skills
TAST1212	Internal Combustion Engine Diagnosis
TAST1341	Fuel Systems I
TAST1431	Basic Electrical/Electronics
TAST2446	Drivability Diagnosis
TAST2453	Automatic Transmission Theory & Diagnosis

MnTC General Education Courses (20 Credits)

Crs ##	Name	Credits
ENGL1101	Freshman English	3
	A course chosen from the Physical Education/Health Category .	1
	For completion of the AAS degree, any MnTC/General Education course chosen from; <ul style="list-style-type: none"> • History and the Social and Behavioral Sciences Category • Natural Sciences and Mathematics/Logical Reasoning Category • Physical Education/Health Category • Humanities & Fine Arts Category. 	5
	A course chosen from the MnTC/General Education; Natural Sciences and Mathematics/Logical Reasoning Category .	3
	A course chosen from the MnTC/General Education; History and the Social and Behavioral Sciences Category .	3
	A course chosen from the MnTC/General Education; Humanities & Fine Arts Category .	3
SPCH1100	Fundamentals of Speech or Interpersonal Communications (SPCH1200)	3

Electives (Core Electives 40 Credits, 30 are needed for the AAS)

Crs ##	Name
TAST1311	Internal Combustion Engine Theory and Repair
TAST1321	Suspension, Steering and Wheel Balance
TAST1322	Wheel Alignment
TAST1423	Brake Systems
TAST1451	Clutch and Manual Trans/Transaxle

TAST2352	Final Drive/Differential/Four Wheel Drive	
TAST2413	Internal Combustion Engine Ignition and Driveability	
TAST2432	Advanced Electrical/Electronics	
TAST2445	Fuel Systems II	
TAST2454	Automatic Transmission Electronic Control and Diagnosis	
TAST2460	Heating & Air Conditioning	

The following are non-degree related course electives (For proper course selection, contact program advisor)

Crs ##	Name	
DESL2227	Automotive Diesel Applications	
TAST2214	Advanced Engine Service	
TAST2215	High Performance Cylinder Heads	
TAST2216	High Performance Cylinder Blocks	
TAST2219	Advanced High Performance Engine Assembly Techniques	
TAST2133	Digital Storage Oscilloscope	
TAST2144	Engine Driveability-Ford	
TAST2145	On Board Diagnostics Two	