

Automotive Service Technology Diploma

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 (Associate in Applied Science)
- Collision Repair Technology (Diploma)



Degree Type: Diploma (DIP)
Location: Albert Lea, D2L/Web
Enhanced Courses
Program Starts: Fall or Spring

Total Credits: 69
Course Plan: Two Year
Program Costs:
Number of Credits: 65
Tuition per credit: \$162.00
Estimated Total Tuition Cost:
\$10,530.00
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)

Faculty & Advisors

Jason Merritt
379-3377
jason.merritt@riverland.edu
Olle Gladso
379-3347
olle.gladso@riverland.edu

Automotive Service Technology Program Curriculum

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

Required Core Courses (61 Credits)

Crs ##	Name
TAST1201	Introduction to Automotive
TAST1202	Automotive Professional Skills
TAST1212	Internal Combustion Engine Diagnosis
TAST1311	Internal Combustion Engine Theory and Repair
TAST1321	Suspension, Steering and Wheel Balance
TAST1322	Wheel Alignment
TAST1341	Fuel Systems I
TAST1423	Brake Systems
TAST1431	Basic Electrical/Electronics
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
TAST2446	Drivability Diagnosis
TAST2453	Automatic Transmission Theory & Diagnosis
TAST2454	Automatic Transmission Electronic Control and Diagnosis
TAST2460	Heating & Air Conditioning

General Studies Courses (8 Credits Required)

Crs ##	Name
DESL1107	Industry Related Welding
GSCL1270	Employment Search Skills
GSCM1510	Workplace Human Relations
GSMA1420	Technical Math I
HLTH1130	Cardiopulmonary Resuscitation

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

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	
TAST2215	High Performance Cylinder Heads	