

AUTOMOTIVE SERVICE LEVEL I, CERTIFICATE (636)

About Our Program

This Level One certificate prepares students for employment as entry-level technicians for routine vehicle maintenance responsibilities in lubrication, brake installation, tire service, suspension repair and alignment, and minor automotive electrical.

Nature of Work and Employment

Students find jobs repairing and servicing passenger cars, trucks, and other automotive vehicles. Some jobs in the automotive field may be for general technicians, while others are for specialists in engines, brakes, drive lines, transmissions, steering/suspension, electrical systems, computer controlled systems, or heating and air conditioning. Employment opportunities for trained technicians are excellent due to the increasing number of vehicles on the road and the growing complexity of automotive technology.

Requirements

First Semester		Hours
AUTM 120	Fundamentals of Engines ¹	2
AUTM 122	Engine Components/Construction ¹	3
AUTM 124	Fundamentals of Electricity ¹	4
AUTM 138	Automotive Servicing ¹	2
WELD 130 or WELD 135	Introduction to Welding or Shield Arc/Oxyacetylene Weldng	3
Hours		14
Second Semester		
AUTM 111	Suspension and Alignment ¹	5
AUTM 113	Brakes ¹	4
AUTM 115	Stand Transmsn/Final Drives ¹	3
Hours		12
Total Hours		26

¹ Course has a prerequisite. See course description.

Program Outcomes

The following outcomes meet or exceed ASEEF requirements and satisfy industry entry-level skill sets. At the end of the year, students will have the following skill sets:

- Work safely in the shop environment.
- Demonstrate written and verbal communication skills.
 - Generate and complete repair orders
 - Demonstrate proper telephone etiquette and face-to-face customer interaction
- Demonstrate professionalism (work ethic, soft skills).
- Use the correct tool(s) for needed maintenance.
- Develop and utilize necessary problem solving skills to determine and perform basic vehicle maintenance & inspection.
- Perform vehicle safety inspection(s).
- Students that complete the two-year program will gain more advanced service techniques, which include the following: Utilize diagnostic equipment to investigate issues with the following systems:
 - Engine oil-monitoring system
 - Anti-lock braking system
 - Tire pressure-monitoring system
 - Electrical/electronic circuit repair

Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Dr. Matt Magee, Dean of Agriculture, Business & Technology
- Kristin Akins, Automotive Technology Faculty
- David Albrecht, Automotive Technology Faculty
- Vicki Schulz, Student Advisor/Transfer Coordinator