

AUTOMOTIVE TECHNICIAN CERTIFICATE OF ACHIEVEMENT

This certificate program prepares students with the skills and knowledge necessary to perform diagnosis and repair in the automotive shop environment. This program includes coursework that is essential for entry-level positions and enhances the skills and knowledge base of those who are seeking career progression within the automotive industry. Completing this certificate program prepares students to pass ASE certification tests in the area of brakes, suspension, electrical systems, engines, and engine performance.

Required Courses

Course Number	Course Name	Units
AUT 140	Automotive Engines	4
AUT 142	Brakes/Suspension/ Alignment	6
AUT 162	Automotive Electrical Systems	5
AUT 166	Automotive Diagnosis and Tune-Up	6

Plus 3 additional units selected from the following

Course Number	Course Name	Units
BUS 50	Mathematical Applications in Business	3
BUS 132	Entrepreneurial Management	3
BUS 150	Entrepreneurial Marketing	3

Total units required for Certificate

24

Program Level Student Learning Outcomes:

1. Locate service information from available sources, determine specifications, locate procedures, determine parts and labor charges and accurately complete a repair order.
2. Describe the theory and operation of automotive systems and circuits. Explain technical procedures and legal processes.
3. Demonstrate competency in service and repair by being able to test, adjust, diagnose, repair, calibrate, and validate repairs on a variety of automotive systems.
4. Demonstrate knowledge of safe working habits in an automotive repair facility.