

AUTOMOTIVE TECHNICIAN CERTIFICATE OF ACHIEVEMENT

This certificate is designed to prepare students for entry-level work as automotive technicians working in areas such as general automotive and hybrid repair and service.

Code	Title	Units
Required Courses		
AUTO 010	Introduction to Hybrid and Electric Vehicle Technology	4
AUTO 050	Automotive Brakes	4
AUTO 052	Automotive Suspension and Steering	4
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 064	Auto/Truck Electrical Systems	4
or HMDT 064	Auto/Truck Electrical Systems	
AUTO 065	Electrical Systems Diagnosis and Repair	5
AUTO 068	Engine Performance - Ignition Systems	5
AUTO 069	Engine Performance - Fuel and Exhaust Systems	5
AUTO 075	Automatic Transmissions Rear Wheel Drive	4
AUTO 077	Manual Transmissions and Transaxles	4
AUTO 084	General Automotive Technology	4
AUTO 090	Engine Repair	6
Students must complete one of the following or assess into MATH 096 or higher:		
MATH 962	Arithmetic and Prealgebra	5
TECALC 087	Technical Calculations	4
Total Units		53-58

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

- Read and interpret automotive service manuals
- Write accurate repair orders, requests, reports and estimates
- Diagnose and repair automotive brake systems
- Diagnose and repair automotive suspension systems
- Diagnose and repair automotive electrical systems
- Diagnose and repair automotive emissions and engine performance
- Diagnose and repair automotive drive train systems
- Diagnose and repair automotive engines
- Diagnose and repair automotive heating and air condition systems
- Diagnose and repair general maintenance to the automobile
- Demonstrate ability to manipulate and solve a variety of applied technical problems using formula, conversion charts, and analysis with or without a calculator
- Demonstrate how to perform basic maintenance related to hybrid and electric vehicles