

AUTOMOTIVE ENGINE PERFORMANCE CERTIFICATE OF ACHIEVEMENT

This certificate is designed to prepare students for entry level work as an engine performance specialist, diagnostic technician, or a state certified Smog check and repair technician. Students will become familiar with computer systems, hybrid and electrical systems, basic engine diagnosis, emissions repair, and the Smog certification test.

Code	Title	Units
Required Courses:		
AUTO 062	Engine Performance	3
AUTO 062L	Engine Performance - Laboratory	1
AUTO 064 or HMDT 064	Auto/Truck Electrical Systems	4
AUTO 065	Electrical Systems Diagnosis and Repair	4
AUTO 090	Engine Repair	3
AUTO 090L	Engine Repair - Laboratory	1
Complete the following or place into a transfer-level MATH course:		0-4
TECALC 087	Technical Calculations	4
Total Units		16-20

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:

- Diagnose and repair engine performance related repairs to automobiles.
- Diagnose and repair automotive electrical systems.
- Diagnose and repair emission systems.
- Diagnose and repair ignition systems.
- Diagnose and repair fuel systems.
- Prepare students for A.S.E. tests A-6; A-8 and L-1.
- Perform basic maintenance related to hybrid and electric vehicles.