AUTO - ELECTRICAL-ENGINE PERFORMANCE - CERTIFICATE OF ACHIEVEMENT

This program provides state of the art training and applicable employment skills in the following ASE certification topics: Electrical, Engine Performance, and Advanced Engine Performance. Also provides training and preparation for CA state emissions inspection license. Students must complete each course with a grade of "C" or better to be awarded the Certificate in Automotive Technology.

Program Learning Outcomes

- Recognize, diagnose, and repair faults in the following systems: Starting, charging, lighting, instrumentation, climate control, safety, navigation, communication, fuel, ignition, valvetrain, throttle, emissions, powertrain, and stability.
- Demonstrate skills using online vehicle diagnostic/repair information and specialized test equipment that is consistent with industry standards.
- Execute safe, proper, and ethical work practices.

Course	Title	Units
AUTO 102	Automotive Systems	3.5
AUTO 103	Light Line Technician	2
AUTO 118	Fuel Systems/Emission Controls	2.5
AUTO 119	Introduction to Engine Performance	2.5
AUTO 122	Advanced Electrical Systems	3
AUTO 125	Automotive Electronics	2
AUTO 127	Ignition Systems	2
AUTO 170	Electrical Systems	3
AUTO 171	Engine Systems	2.5
AUTO 172	Chassis and Drivetrain Systems	2.5
AUTO 173	Automotive Service Operations	2
AUTO 181A	Introduction to Alternative Fuel and Hybrid/Electric Vehicles	2
AUTO 181B	Hybrid Electric Vehicle Maintenance and Repair	3
Total Units		**32.5**