

AUTO - ELECTRICAL-ENGINE PERFORMANCE - ASSOCIATE IN SCIENCE

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 degree.

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.

Major Requirements

Course	Title	Units
AUTO 102	Automotive Systems	3.5
AUTO 103	Light Line Technician	2
AUTO 118	Fuel Systems/Emission Controls	3
AUTO 119	Introduction to Engine Performance	2.5
AUTO 122	Advanced Electrical Systems	3
AUTO 125	Automotive Electronics	2
AUTO 127	Ignition Systems	3
AUTO 129		1.5
AUTO 133	Computerized Engine Management	2.5
AUTO 138	Occupational Work Experience	1
AUTO 141	Clean Air Car Course ¹	5
AUTO 145	Enhanced Emission Diagnostics Level 2	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 202		1.5

Total Requirements

Course	Title	Units
	Major Requirements	42.5
	General Education Requirements	24
	Total Units	66.5

¹ California Apprenticeship requires a grade of "B" or better (for this course)