



BUSINESS AND WORKFORCE DIVISION
 LIBRARY/EDUCATION TECHNOLOGY BUILDING
 ROOM LE-220
 (408) 270-6434

STUDENT SUCCESS CENTER
 STUDENT SERVICES BUILDING
 ROOM SC-250
 (408) 270-6475

CERTIFICATE OF ACHIEVEMENT

2018-2019

AUTOMOTIVE TECHNOLOGY, ELECTRICAL-ENGINE PERFORMANCE

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.

AUTO	102	Automotive Systems	3.5
AUTO	103	Light Line Technician	2.0
AUTO	118	Fuel Systems/Emission Controls	3.0
AUTO	119	Introduction to Engine Performance	2.5
AUTO	122	Advanced Electrical Systems	3.0
AUTO	125	Automotive Electronics	2.0
AUTO	127	Ignition Systems	3.0
AUTO	129	DSO, GDMM, Scan Tool Diagnosis	1.5
AUTO	133	Computerized Engine Management	2.5
AUTO	138	Work Experience	1.0
AUTO	141*	Clean Air Car Course	5.0
AUTO	145	Enhanced Emission Diagnostics Level 2	2.0
AUTO	170	Electrical Systems	3.0
AUTO	171	Engine Systems	2.5
AUTO	173	Automotive Service Operations	2.0
AUTO	202	Bugged Vehicle Diagnostics	<u>1.5</u>
		Total units	40.0

*California Apprenticeship requires a grade of "B" or better for this course.