

ENGINE PERFORMANCE SPECIALIST, CERTIFICATE OF ACHIEVEMENT

Banner Code: 2_CN_AUTOES

Control Number: 44863

Not Financial Aid Eligible

This program is designed to prepare students for careers as automotive service technicians. The curriculum aligns with the ASE certification areas A6 Automotive Electrical, A8 Engine Performance, and L1 Automotive Advanced Engine Performance. This prepares students for employment in advanced level diagnostics. Upon completion of this program, students will have developed the skills required to diagnose and repair fuel and emissions related systems.

Program Level Learning Outcomes

Upon completion of this program, students will be able to:

1. Diagnose drivability and emission systems using industry accepted diagnostic tools and equipment.
2. Assess drivability and emission related input/output values using diagnostic tools and comparing findings to published manufacturer's specifications.
3. Perform an emission system repair procedure utilizing published manufactures's Service Information (SI) procedures.

Potential careers students may enter upon completion are as follows:

- Automotive Service and Repair
- Fleet Service
- Public Transportation and Maintenance
- Marine Repair
- Automotive Aftermarket Industry

Review Graduation Requirements (<https://catalog.cccd.edu/golden-west/graduation-requirements/certificates/#achievementtext>) and Program Maps (<https://programmap.goldenwestcollege.edu/academics/>).

| Course | Title | Units |
|-------------------------|--|-------------|
| Required Courses | | |
| AUTO G181 | Automotive Express Service | 4 |
| AUTO G120 | Electrical/Electronic Systems: Introductory | 5 |
| AUTO G121 | Electrical/Electronic Systems: Advanced | 5 |
| AUTO G130 | Engine Performance: Basic Theory/ Diagnosis | 4.5 |
| AUTO G110 | Engine Repair | 5 |
| Total Units | | 23.5 |