

# POWERTRAIN SPECIALIST, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 2\_CN\_APOW

**Control Number:** 44258

**Not Financial Aid Eligible**

This program prepares students for careers as automotive service technicians. The curriculum aligns with four areas of the Automotive Service Excellence (ASE) technician certification program. This prepares students who are entering the workforce for the first time as well as those in the workforce who want to improve their skills to advance their careers. Upon completion of this program, students will have developed the skills required to diagnose and repair complex vehicle systems.

## Program Level Learning Outcomes

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

1. Diagnose powertrain related systems using industry accepted diagnostic tools and equipment.
2. Assess powertrain components using precision measuring tools and comparing findings to published manufacturer's specification.
3. Perform a powertrain system repair procedure utilizing published Service Information (SI) procedures.

## Potential careers students may enter upon completion are as follows:

- Automotive service and repair
- Fleet service
- Public transportation
- Automotive aftermarket industry
- Marine repair

Review Graduation Requirements (<https://catalog.cccd.edu/golden-west/graduation-requirements/certificates/#achievementtext>).

Course	Title	Units
<b>Required Courses</b>		
AUTO G110	Engine Repair	5
AUTO G120	Electrical/Electronic Systems: Introductory	5
AUTO G150	Manual Drive Trains & Axles	4
AUTO G151	Automatic Transmissions and Transaxles	4
AUTO G181	Automotive Express Service	4
<b>Total Units</b>		<b>22</b>

## Recommended Program Sequence

These sequences are general maps for students to finish all requirements for the Certificate. There may be advisories or time requirements that students may want to consider before following these maps. **Students are advised to meet with a GWC Counselor for alternate sequencing.**

### Year 1:

Course	Title	Units
<b>Semester 1</b>		
AUTO G120	Electrical/Electronic Systems: Introductory	5
AUTO G150	Manual Drive Trains & Axles	4
AUTO G181	Automotive Express Service	4
<i>Units</i>		<i>13</i>

Course	Title	Units
<b>Semester 2</b>		
AUTO G110	Engine Repair	5
AUTO G151	Automatic Transmissions and Transaxles	4
<i>Units</i>		<i>9</i>