

# COMPREHENSIVE AUTOMOTIVE TECHNICIAN, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 2\_CT\_AUTO

**Control Number:** 43199

**Not Financial Aid Eligible**

This program is designed to prepare students for careers as automotive service technicians. The curriculum aligns with the 8 certification 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 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 automotive systems using industry accepted diagnostic tools and equipment.
2. Assess automotive components using precision measuring tools and comparing findings to published manufacturer's specifications.
3. Perform an automotive 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 G181	Automotive Express Service	4
AUTO G110	Engine Repair	5
AUTO G120	Electrical/Electronic Systems: Introductory	5
AUTO G121	Electrical/Electronic Systems: Advanced	5
AUTO G141	Automotive Chassis: Steering & Suspension	4.5
AUTO G151	Automatic Transmissions and Transaxles	4
AUTO G130	Engine Performance: Basic Theory/ Diagnosis	4.5
AUTO G140	Automotive Chassis: Brakes	5
AUTO G150	Manual Drive Trains & Axles	4
AUTO G131	Engine Performance: Advanced	4.5

Course	Title	Units
AUTO G160	Heating and Air Conditioning	4
<b>Total Units</b>		<b>49.5</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 G181	Automotive Express Service	4
AUTO G110	Engine Repair	5
or AUTO G140	Automotive Chassis: Brakes	
AUTO G120	Electrical/Electronic Systems: Introductory	5
<b>Units</b>		<b>14</b>

Course	Title	Units
<b>Semester 2</b>		
AUTO G121	Electrical/Electronic Systems: Advanced	5
AUTO G141	Automotive Chassis: Steering & Suspension	4.5
AUTO G151	Automatic Transmissions and Transaxles	4
<b>Units</b>		<b>13.5</b>

### Year 2:

Course	Title	Units
<b>Semester 3</b>		
AUTO G130	Engine Performance: Basic Theory/ Diagnosis	4.5
AUTO G140	Automotive Chassis: Brakes	5
or AUTO G110	Engine Repair	
AUTO G150	Manual Drive Trains & Axles	4
<b>Units</b>		<b>13.5</b>

Course	Title	Units
<b>Semester 4</b>		
AUTO G131	Engine Performance: Advanced	4.5
AUTO G160	Heating and Air Conditioning	4
<b>Units</b>		<b>8.5</b>