

# AUTOMOTIVE HVAC SPECIALIST, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 2\_CN\_HVAC

**Control Number:** 44255

**Not Financial Aid Eligible**

This program prepares students for careers as automotive service technicians. The curriculum aligns with the Automotive Service Excellence (ASE) certification areas A6 automotive electrical and A7 automotive heating and air conditioning. This prepares students for employment in advanced levels diagnostics. Upon completion of this program, students will have developed the skills required to diagnose and repair automotive HVAC related systems.

## Program Level Learning Outcomes

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

1. Diagnose HVAC related system concerns using industry accepted diagnostic tools and equipment.
2. Assess HVAC performance concerns using precision measuring tools and comparing finding to published manufacturer's specifications.
3. Perform a HVAC 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 and maintenance
- Marine repair
- Automotive aftermarket industry

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

Course	Title	Units
<b>Required Courses</b>		
AUTO G120	Electrical/Electronic Systems: Introductory	5
AUTO G121	Electrical/Electronic Systems: Advanced	5
AUTO G160	Heating and Air Conditioning	4
AUTO G181	Automotive Express Service	4
<b>Total Units</b>		<b>18</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 G181	Automotive Express Service	4
<i>Units</i>		<i>9</i>

Course	Title	Units
<b>Semester 2</b>		
AUTO G121	Electrical/Electronic Systems: Advanced	5
AUTO G160	Heating and Air Conditioning	4
<i>Units</i>		<i>9</i>