

# HVACR CERTIFICATES

## PROGRAM DESCRIPTION:

This entry-level certificate introduces students to the basics of HVACR: heating, cooling, air distribution systems, basic copper and piping practices, soldering and brazing, and basic carbon steel practices. This certificate will provide successful students the skills to become an entry-level assistant in the field of Heating, Ventilation, Air Conditioning and Refrigeration

The second level certificate introduces students to the second level of HVACR: flues and ducts, commercial applications, trouble shooting, building automation control systems, and management and leadership techniques.

## CAREER AT A GLANCE:

### HOW DO I KNOW IF THIS MAJOR IS FOR ME?

- You are organized, detail-orientated, and like to solve problems
- You enjoy servicing, repairing, adjusting and testing equipment
- You like to conduct tests and inspections of products, services or processes
- You enjoy working with people
- You enjoy setting goals and deadlines
- You can carefully maintain records of work performed
- You like to use math to calculate project numbers

*Use Focus2Career on your MyChaffey portal to learn more about careers and majors that fit you best.*

### WHERE CAN I WORK?

Manufacturing	Construction
Retail Centers	Distribution Centers
School Campuses	Sports Facilities
Food and Beverage Companies	Local and Federal Government
Utility Companies	Transportation
Hydroelectric Plants	Wholesale Trade
Plumbing Contractors	Self-Employment
Hospitals	

*For more information visit: [www.labormarketinfo.edd.ca.gov/OccGuides](http://www.labormarketinfo.edd.ca.gov/OccGuides)*

### HOW DO I GET STARTED?

- Start taking introductory HVAC courses
- Job shadow and network with HVAC professionals
- Update resume to include technical and classroom experiences
- Practice interpersonal and public speaking communication skills

### WHAT CAN I DO WITH THIS CERTIFICATE?

Position Title	CA Median Salary
Refrigeration Mechanic	\$53,630
Air Conditioning Installer	\$53,630
Control and Valve Installer	\$68,180
Service Technician	\$41,240
Electrician	\$64,220
Maintenance Worker	\$41,240
Wind Turbine Technician	\$51,840
School HVAC Technician	\$41,240
Welder	\$41,350
Plant Technician	\$69,070
Solar Installer	\$40,660
Boilermaker	\$67,650

### WHAT CAN I DO WITH HIGHER EDUCATION AND ADDITIONAL TRAINING?

Position Title	CA Median Salary
Electrical Engineer	\$110,880
Industrial Engineer	\$101,420
Manufacturing Engineer	\$107,150
Production Designer	\$68,700
Energy Engineer	\$107,150
Logistics Analyst	\$81,580
Robotics Engineer	\$107,150
Environmental Engineer	\$102,110

*For more information about careers, education and training requirements, salary data, and job outlooks visit*

[www.onetonline.org](http://www.onetonline.org)

# HVACR CERTIFICATES

**MAJOR AND COURSE REQUIREMENTS:**

**LEGEND:** G=Grade    IP=In Progress    N=Need    **Bold: Prerequisites**    Plain Text: No Prerequisites

**Requirements for the HVACR Level I Certificate: (O025)**

		<b>Grade</b>	<b>IP</b>	<b>Need</b>	<b>Units</b>
HVACR 600	Introduction to Heating Ventilation and Air Conditioning				0
<b>HVACR 601</b>	<b>HVAC Piping Practices</b>				<b>0</b>
<b>HVACR 602</b>	<b>HVAC Electrical Systems</b>				<b>0</b>
<b>HVACR 603</b>	<b>Environmental Protection Agency Certification</b>				<b>0</b>
<b>HVACR 604</b>	<b>HVAC Compressors and Refrigerants</b>				<b>0</b>
<b>HVACR 605</b>	<b>HVAC Metering Devices, Heat Pumps, and Basic Maintenance</b>				<b>0</b>

Student Name: \_\_\_\_\_

ID#: \_\_\_\_\_

Date: \_\_\_\_\_

Counselor: \_\_\_\_\_

**Requirements for the HVACR Level II Certificate: (O026)**

		<b>Grade</b>	<b>IP</b>	<b>Need</b>	<b>Units</b>
HVACR 606	HVAC Flues and Ducts				0
HVACR 607	HVAC Commercial Applications				0
<b>HVACR 608</b>	<b>HVAC Troubleshooting</b>				<b>0</b>
<b>HVACR 609</b>	<b>Advanced Commercial HVAC Systems</b>				<b>0</b>
<b>HVACR 610</b>	<b>Building Automation Control Systems</b>				<b>0</b>
<b>HVACR 611</b>	<b>HVAC Management Topics</b>				<b>0</b>

**COUNSELOR NOTES:**


\$46 per unit for CA Residents