



Secure your future with a solid career

Heating, Ventilation, Air Conditioning & Refrigeration



The Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC-R) program at SJVC prepares students to work in the heating and cooling industry. Training focuses on theories of heating, refrigeration and air conditioning.

Students study the operation, maintenance and repair of residential and commercial equipment. With SJVC's on-site equipment and lab, students learn about and train with the equipment they will find in the field when they enter the workforce.



Training Today for a Better Tomorrow



Hands-On Training

Students Learn:

- Heating and cooling principles
- Electrical theories
- How to diagnose mechanical & electrical problems
- Proper installation, servicing & replacement techniques



Credential and Professional Certifications

Graduates earn a Certificate of Completion or Associate of Science degree, and are eligible to sit for the EPA Section 608 Certification.

Qualified heating, ventilation, and air-conditioning (HVAC) technicians can find work in a variety of residential and commercial settings and may have the following job titles:

- A/C Tech (Air Conditioning Technician)
- HVAC Installer (Heating, Ventilation, Air Conditioning Installer)
- HVAC Mechanic (Heating, Ventilation, Air Conditioning Mechanic)
- HVAC Service Technician (Heating, Ventilation, Air Conditioning Service Technician)
- HVAC Specialist (Heating, Ventilation, Air Conditioning Specialist)
- HVAC Technician (Heating, Ventilation, Air Conditioning Technician)
- Service Technician
- Systems Mechanic

Source: Occupational Information Network (O*Net) www.onetonline.org



Career Information

Well-trained heating and cooling technicians are relied upon to make sure climate control systems are running smoothly. They are responsible for performing these important tasks:

- Adjust equipment to ensure optimal performance
- Assemble mechanical components or machine parts
- Confer with customers or users to assess problems
- Connect electrical components or equipment
- Cut materials according to specifications or needs
- Inspect systems to determine if they are operating properly
- Install energy-efficient heating, ventilation, or air conditioning equipment
- Interpret blueprints, specifications, or diagrams to inform installation
- Repair pipes to stop leaking
- Repair and replace worn, damaged, or defective mechanical parts
- Service heating, ventilation or air-conditioning systems or components
- Test electrical circuits or components for proper functioning

Source: Occupational Information Network (O*Net) www.onetonline.org



Admissions Requirements

- High school diploma or equivalent
- Wonderlic SLE assessment score of 14 or higher
- Valid California driver license
- No DUI convictions for the past 3 years

Applicants must have reliable plans for transportation, child care and time to devote to academic work outside of scheduled class hours.



Course Listing*

Core Course Requirements

Course ID	Course Name	Credit Units
HVAC-R 100	Theory and Applications of Air Conditioning	5.0
HVAC-R 101	Theory and Applications of Refrigeration	5.0
HVAC-R 102	Theory and Applications of Electricity	10.0
HVAC-R 106	Air Distribution Systems	5.0
HVAC-R 104	Advanced Refrigeration	5.0
HVAC-R 105	Advanced Electricity	5.0
HVAC-R 103	Advanced Air Conditioning	5.0
Certificate Total		40.0

General Education Course Requirements

Course ID	Course Name	Credit Units
ENG 121	Composition and Reading – Part A	3.0
ENG 122	Composition and Reading – Part B	3.0
MTH 121	College Algebra – Part A	3.0
MTH 122	College Algebra – Part B	3.0
NSC 1	Introduction to Natural Sciences	3.0
PHIL 1C	Ethics	3.0
PSY 1	General Psychology	3.0
SOC 1	Introduction to Sociology	3.0
A.S. Degree Total		64.0

*Course listings are subject to change. Reference the SJVC College Catalog for the most current program information.

Institutional Accreditation

San Joaquin Valley College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 10 Commercial Blvd., Suite 204, Novato, CA 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at: www.accjc.org.

California State Approval

SJVC is a private institution and is approved to operate as an accredited institution by the California Bureau of Private Postsecondary Education (BPPE). Approval to operate means that SJVC has been found in compliance with the standards set forth in the California Private Postsecondary Education Act of 2009 (as amended) and Title 5, Division 7.5, - Private Postsecondary Education of the California Code of Regulations. As a prospective student, you are encouraged to review the catalog prior to signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet, which must be provided to you prior to signing an enrollment agreement.

Consumer Information

San Joaquin Valley College publishes important consumer information for all programs and campus locations. For comprehensive consumer information, visit <https://www.sjvc.edu/admissions/consumer-information>.

SJVC Locations

ATASCADERO 805.470.7130	FRESNO 559.448.8282	HESPERIA 760.948.1947	ONTARIO 909.948.7582	SANTA MARIA 805.608.3104
BAKERSFIELD 661.834.0126	FRESNO - TRADES EDUCATION CENTER 559.453.0123	LANCASTER 661.974.8282	PORTERVILLE 559.853.4114	TEMECULA 951.296.6015
DELANO 661.778.1145	HANFORD 559.584.8840	MADERA 559.302.2155	RANCHO CORDOVA 916.638.7582	VISALIA 559.651.2500
		MODESTO 209.542.8800	RANCHO MIRAGE 442.305.7701	<i>Program availability varies by campus location. Please see the catalog for details.</i>

sjvc.edu

