

Course Listing\*

CORE COURSE REQUIREMENTS

COURSE ID	COURSE NAME	CREDIT UNITS
HVAC-R 100	Theory & Applications of HVAC Systems	5.0
HVAC-R 101	Theory and Applications of Refrigeration	5.0
HVAC-R 102	Theory and Applications of Electricity	10.0
HVAC-R 103	Advanced HVAC Systems	5.0
HVAC-R 104	Advanced Refrigeration	5.0
HVAC-R 105	Advanced Electricity	5.0
HVAC-R 106	Air Distribution Systems	5.0
CERTIFICATE TOTAL		40.0

Continue Your Education

Graduates of the Heating, Ventilation, Air Conditioning and Refrigeration certificate program who wish to continue their education can pursue an associate degree in Trades Studies. SJVC's Trades Studies program may be completed in 25 weeks.

The Trades Studies Associate of Science Degree affords excellent opportunities for professional growth and development through instruction in general education coursework designed to produce the competencies of higher education that employers expect of college graduates.

An Associate Degree option in Heating, Ventilation, Air Conditioning, and Refrigeration is available at the Phoenix campus. Please see the catalog for more information.

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 WASC Senior College and University Commission (WSCUC), 1080 Marina Village Parkway, Suite 500, Alameda, CA 94501, (510)748-9001 (<https://www.wscuc.org>). The WSCUC is an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

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 [consumerinfo.sjvc.edu](https://consumerinfo.sjvc.edu).

Program availability varies by campus location. Please see the catalog for details.

READY TO ENROLL?  
GET STARTED HERE:

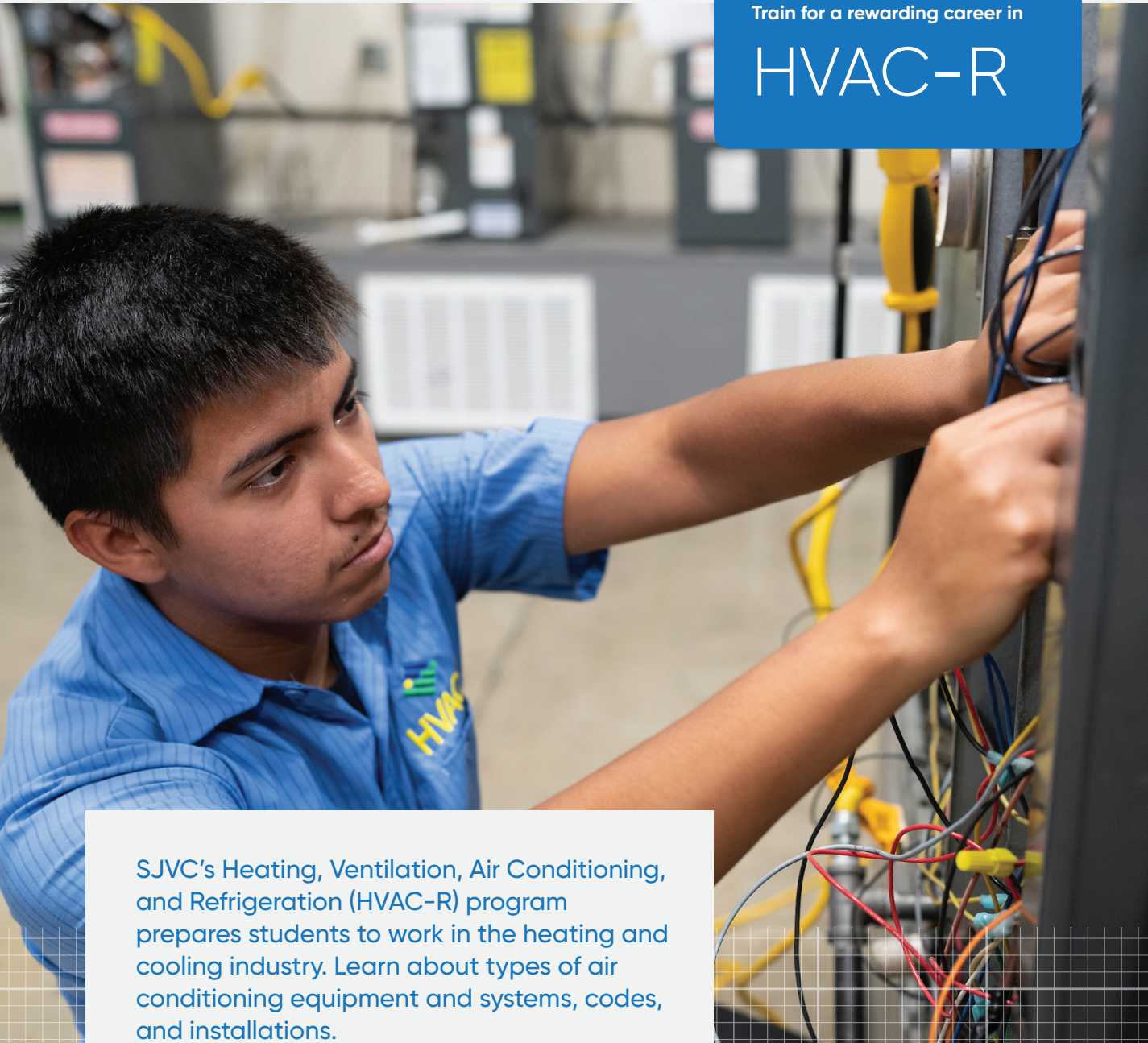
[sjvc.edu/program/heating-ventilation-air-conditioning-and-refrigeration](https://sjvc.edu/program/heating-ventilation-air-conditioning-and-refrigeration)

[sjvc.edu](https://sjvc.edu)    



Train for a rewarding career in

HVAC-R



SJVC's Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC-R) program prepares students to work in the heating and cooling industry. Learn about types of air conditioning equipment and systems, codes, and installations.

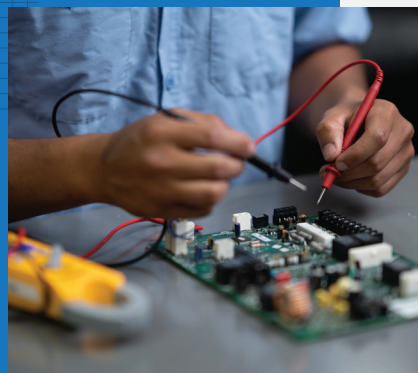
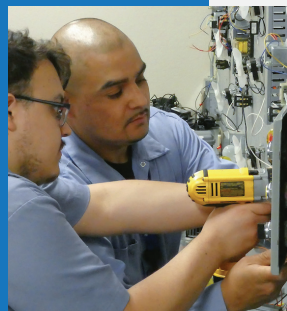
Students study the operation, maintenance and repair of residential and commercial equipment. With SJVC's on-site equipment and lab, students learn about and train with the equipment they will find in the field when they enter the workforce. Training focuses on theories of heating, refrigeration, and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





## Your trusted source for hands-on training.

SJVC excels at in-person, hands-on learning in high tech laboratory environments that will enable you to transition to a career with real-world experience.



### Students Learn:\*

- Theories of heating, refrigeration, and air conditioning and practical applications
- Procedures for the installation, operation, and maintenance of both residential and light commercial heating, ventilation, air conditioning and refrigeration equipment and systems
- Proper usage of the basic tools of the trade
- Requisite mastery to apply for the EPA 608 certification from the Environmental Protection Agency
- Creating reports and documents electronically and in writing
- Advanced concepts and critical thinking skills to interpret and draft schematic wiring diagrams and perform system diagnostics
- Professional development, critical thinking and reasoning skills, pertaining to interpersonal interactions and ethics
- Adhere to national, state, and local safety practices used by technicians working on HVAC-R systems

\*See college catalog for complete student learning outcomes for this program.

At SJVC, we value:

**Integrity**  
**Family**  
**Professionalism**  
**Communication**  
**Diversity**  
**Success**

## Credential and Professional Certifications

Graduates earn a Certificate of Completion in Heating, Ventilation, Air Conditioning, and Refrigeration, and have the opportunity to earn OSHA 10-Hour Construction and EPA 608 certification.

Qualified Heating, Air Conditioning, and Refrigeration Mechanics and Installers 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)

- Service Technician (Service Tech)
- HVAC Specialist (Heating, Ventilation, Air Conditioning Specialist)
- Refrigeration Technician (Refrigeration Tech)
- Refrigeration Mechanic
- Systems Mechanic

## Admissions Requirements

- ☐ High School diploma or equivalent
- ☐ Wonderlic SLE assessment score of 14 or higher
- ☐ Valid California driver license

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

See the SJVC College Catalog for additional information on institutional admission requirements.



## Career Opportunities

Well-trained Heating, Air Conditioning, and Refrigeration Mechanics and Installers are relied upon to make sure climate control systems are running smoothly. They are typically responsible for performing these important tasks:

- Adjust equipment to ensure optimal performance
- Assemble mechanical components or machine parts
- Connect electrical components or equipment
- Cut materials according to specifications or needs
- Inspect systems to determine if they are operating properly
- Install energy-efficient HVAC-R equipment
- Interpret blueprints, specifications, or diagrams to inform installation
- Replace or repair damaged pipes or equipment

\*Source: <https://www.onetonline.org/link/summary/49-9021.00>

### GET MORE INFO ON ENROLLMENT:

[sjvc.edu/program/heating-ventilation-air-conditioning-and-refrigeration/](http://sjvc.edu/program/heating-ventilation-air-conditioning-and-refrigeration/)

[sjvc.edu](http://sjvc.edu)    