HVAC-R

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**

GENERAL EDUCATION 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**

SJVC Locations

ATASCADERO
805.470.7130

BAKERSFIELD
661.834.0126

DELANO
661.778.1145

FRESNO
559.448.8282

FRESNO - TRADES EDUCATION CENTER
559.453.0123

HANFORD
559.584.8840

HESPERIA
760.948.1947

LANCASTER
661.974.8282

MADERA
559.302.2155

MODESTO
209.542.8800

ONTARIO
909.948.7582

PORTERVILLE
559.853.4114

RANCHO CORDOVA
916.638.7582

RANCHO MIRAGE
442.305.7701

SANTA MARIA
805.608.3104

TEMECULA
951.296.6015

VISALIA
559.651.25002

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

* 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), 985 Atlantic Avenue, Suite 100, 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 https://www.sjvc.edu/admissions/consumer-information.

READY TO ENROLL?
GET STARTED HERE:

www.sjvc.edu/program/heating-ventilation-air-conditioning-and-refrigeration/

sjvc.edu

SJVC
A PRIVATE CAREER COLLEGE

Train for a rewarding career in

HVAC-R

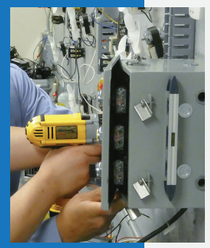
SJVC's Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC-R) program prepares students to work in the heating and cooling industry. Learn about types of air conditioning equipment and systems, codes, and installations.

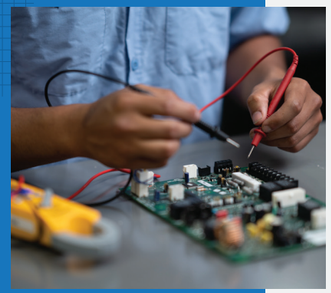
Students study the operation, maintenance and repair of residential and commercial equipment. With SJVC's on-site equipment and lab, students learn about and train with the equipment they will find in the field when they enter the workforce. Training focuses on theories of heating, refrigeration, and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

SJVC
A PRIVATE CAREER COLLEGE

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

At SJVC, we value:

Integrity
Family
Professionalism
Communication
Diversity
Success

Credential and Professional Certifications

Graduates earn a Certificate of Completion or Associate of Science degree 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:

www.sjvc.edu/program/heating-ventilation-air-conditioning-and-refrigeration/