

# Heating, Ventilation, Air Conditioning and Refrigeration

Secure your future with a solid career



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.

## Students Learn

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

## Professional Certifications

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

## 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:

- Installing, servicing & replacing units
- Testing equipment for safety & efficiency
- Upholding compliance with industry standards
- Diagnosing mechanical and electrical problems

## Admission Requirements

Admission to the HVAC-R program requires:

- 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		
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 103	Advanced Air Conditioning	5.0
HVAC-R 104	Advanced Refrigeration	5.0
HVAC-R 105	Advanced Electricity	5.0
HVAC-R 106	Air Distribution Systems	5.0
<b>Certificate Program Total</b>		<b>40.0</b>
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 the Natural Sciences	3.0
PHIL 1C	Ethics	3.0
PSY 1	General Psychology	3.0
SOC1	Introduction to Sociology	3.0
<b>A.S. Degree Program Total</b>		<b>64.0</b>

SJVC classes are offered Monday through Thursday in the morning, afternoon and evening.

Class Schedule
<b>Monday - Thursday</b>
Morning Session: 7:15am-12:00pm
Afternoon Session: 12:30pm-5:15pm
Evening Session: 5:30pm-10:15pm

NOTE: Sessions vary by program and campus and are subject to seat availability.

Visit [sjvc.edu](http://sjvc.edu) for more information on other program offerings and campus locations.

**Victor Valley Campus (Hesperia)**  
 9331 Mariposa Road, Hesperia, CA 92344  
 760.948.1947

Consumer Information		
	Certificate	A.S. Degree
Program Length	40 weeks	60 weeks
Tuition and Fees	\$22,855	\$33,300
Estimated Textbook Cost	\$200	\$200
<i>Data for Graduates on all SJVC Campuses between 7/1/14 and 6/30/15</i>		
Graduate Median Loan Debt		
Title IV HEA Loans	\$13,000	\$19,817
Private Loans	\$25	\$0
Institutional Loans	\$1,857	\$0
On-Time Completion Rate	85%	63%
<i>Graduate Placement Rate</i>		
Because of the change in the California Bureau of Private Postsecondary Education's reporting regulations, which became effective on July 14, 2016, this institution was not required to collect the data for its 2015 and prior graduates.		
Occupations for Graduate Placement <sup>1</sup>		
Heating and Air Conditioning Mechanics and Installers (49-9021.01) Maintenance and Repair Workers, General (49-9071.00) Refrigeration Mechanics and Installers (49-9021.02)		

<sup>1</sup>Visit <http://www.onetcodeconnector.org> and enter the reference number for complete details

#### 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](http://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 (California Education Code, Title 3, Division 10, Part 59, Chapter 8) and Title 5, Division 7.5 – Private Postsecondary Education of the California Code of Regulations.

