

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

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

Professional Certifications

Graduates earn an Associate of Science degree, and are eligible for the following examinations: EPA Section 608 Universal, Refrigerant 410a, NATE Core, ICE/AHI Core, Employment Ready Electrical, Employment Ready Air Conditioning, and Employment Ready Commercial Refrigeration.

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
AC 100	Basic Air Conditioning Theory and Applications	5.0
AC 302	Intermediate Air Conditioning	2.0
AC 400	Advanced Air Conditioning	2.0
EC 100	Basic Electricity Theory and Applications	5.0
EC 200	Intermediate Electricity 1	5.0
EC 302	Intermediate Electricity 2	3.0
EC 400	Advanced Electricity	2.0
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
RF 100	Basic Refrigeration Theory and Applications	5.0
RF 200	Intermediate Refrigeration 1	2.0
RF 302	Intermediate Refrigeration 2	5.0
RF 400	Advanced Refrigeration	2.0
SOC1	Introduction to Sociology	3.0
A.S. Degree Program Total		62.0

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

Class Schedule
Monday - Thursday
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.

Antelope Valley Campus
42135 10th Street West, Lancaster, CA 93534
866.483.1797

Consumer Information	
Occupations*	
HVAC-R Technician (49-9021.00) [†]	
Maintenance Technician (49-9042.00) [†]	
Maintenance- General (47-3015.00) [†]	
	A.S. Degree
On-time Completion Rate**	75%
Graduate Placement Rate‡	66%
Tuition and Fees	\$32,950
Graduate Median Loan Debt	
Title IV HEA Loans	\$20,000
Private Loans	\$0
Institutional Loans	\$0

*statistics for graduate cohort of July 1, 2013 - June 30, 2014.
Graduate placement rate statistics for students who were scheduled to graduate in the calendar year 2013.*

*Visit <http://www.onetcodeconnector.org/ccreport> and enter the reference number[†] from the Consumer Information table for complete details.

**Percentage of graduates who completed the program in the scheduled 60-week period.

‡ This program is new to the Lancaster campus. The job placement rate published in this disclosure includes on-time graduates from all other SJVC campuses who completed the program in calendar year 2013.

The HVAC-R program is offered in:

ANTELOPE VALLEY (Lancaster)
BAKERSFIELD
FRESNO
ONTARIO
TEMECULA
VICTOR VALLEY (Hesperia)
VISALIA

Other SJVC Campus locations:

DELANO - opening Fall 2015
HANFORD
MADERA
MODESTO (Salida)
RANCHO CORDOVA
SAN DIEGO (Chula Vista)

Program availability varies by campus

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