

Electrical Technology

Train for a hands-on career as an electrician



SJVC's Electrical Technology (ET) program provides a framework of electrical knowledge and skills that can be adapted in the electrical trade industry.

Upon completion of the Electrical Technology program, graduates will have the equivalent of a four year experienced electrician in Technical Understanding, Trouble Shooting, Electrical Terminology and math as it relates to electrical, which helps prepare students for the Journeyman's test.

This program meets the standards set forth by the California Department of Industrial Relations (DIR) towards the current California Electrician Certification Program. Once a student has completed the program, the student is prepared to sit for the California General Electrician's Certification Exam. Graduates from this program will need to work additional hours in the field before receiving an electrician certification per the DIR.

Students Learn

- Electrical conduit bending
- Electric circuitry and residential, commercial, and industrial wiring
- Electrical blueprint reading
- OSHA Standards for the construction industry
- PLC and motor controls

The program prepares students for employment in numerous electrical and electrically related fields:

- New Construction Indoor and outdoor
- Industrial -Oil Refineries/Solar/Power Plants/Wind Generation/Green Technologies
- Commercial - Malls/Hospital/Military/Business Centers/Big Box Stores/Restaurant
- Residential – Single Family/Apartments/Property Management

Professional Certifications

The SJVC Electrical Technology program is pending approval (April 2017) by the State of California Department of Industrial Relations. Graduates are **OSHA 30 certified** and are prepared to sit for the Journeyman's test. SJVC pays for each student's first-time examination fees. Students who are enrolled in a DIR approved program are eligible for an Electrician Trainee Card (T-card).

Career Information

Electricians work to supply the power needed for everyday life in commercial, industrial and residential environments. The following is an example of key components of what Electricians do...

- Hardware and Wiring
- Pipe bending to run wiring into different facilities
- Operate PLC's, motors, and computers.
- Troubleshoot problems

Admission Requirements

Admission to the ET program requires:

- High school diploma or equivalent
- Wonderlic SLE assessment score of 14 or higher
- Valid California driver license
- No felony convictions
- No misdemeanor convictions for property or drug crimes

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
ELEC 100	OSHA Standards for the Construction Industry	3.0
ELEC 110	Electrical Conduit Bending	2.0
ELEC 120	Blueprint Reading for Electricians	5.0
ELEC 130	Technical Math and Electric Circuits	10.0
ELEC 200	Residential Wiring	5.0
ELEC 210	Commercial and Industrial Wiring	10.0
ELEC 220	Programmable Logic Controllers & Industrial Electronics	5.0
Certificate Program Total		40.0
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
SOC1	Introduction to Sociology	3.0
A.S. Degree Completion Total		64.0

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.

Visit sjvc.edu for more information on other program offerings and campus locations.

Modesto Campus (Salida)
5380 Pirrone Road, Salida, CA 95368
209.543.8800

Consumer Information	
	Certificate
Program Length	40 weeks
Tuition and Fees	\$22,855
Estimated Textbook Cost	\$625
<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	N/A
Private Loans	N/A
Institutional Loans	N/A
On-Time Completion Rate	N/A
<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 ¹	
Electricians (47-2111.00) Security and Fire Alarm Systems Installers (49-9097.00) Signal and Track Switch Repairers (49-9097.00) First-Line Supervisors of Construction Trades and Extraction Workers (47-1011.00)	

¹Visit <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

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.

