



Train for a hands-on career as an electrician

Electrical Technology



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

The Electrical Technology program provides a framework of electrical knowledge and skills that can be adapted in the electrical trade industry. The program prepares students for employment in numerous electrical and related trades. Upon completion of the Electrical Technology program, the student should be able to install, maintain, and repair electrical equipment and systems in a safe, competent, and professional manner.

This program meets the standards set forth by the California Department of Industrial Relations (DiR) towards the current California Electrician Certification Program. Graduates of this program are eligible to take the California General Electrician's Certification Exam, administered by the California Department of Industrial Relations. In order to be certified as a General Electrician in the State of California, pursuant to certification standards established by the Division of Labor Standards Enforcement, an applicant must pass a certification examination and complete 8,000 hours of work for a C-10 electrical contractor installing, constructing or maintaining electrical systems covered by the National Electrical Code.

For additional details, please visit: <https://www.dir.ca.gov/dlse/ECU/ElectricalTrade.html>



A PRIVATE CAREER COLLEGE

Training Today for a Better Tomorrow



Hands-On Training

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



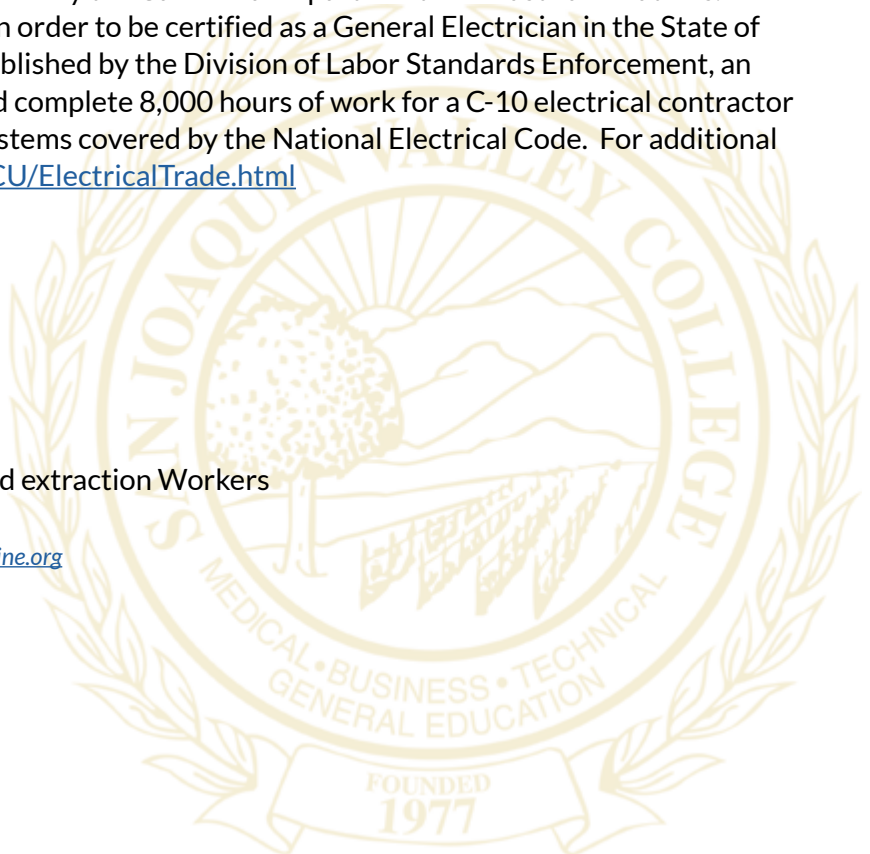
Credential and Professional Certifications

Graduates earn a Certificate of Completion or an Associate of Science Degree and are eligible to take the California General Electrician's Certification Exam, administered by the California Department of Industrial Relations. Students also earn certification in CPR/First Aid. In order to be certified as a General Electrician in the State of California, pursuant to certification standards established by the Division of Labor Standards Enforcement, an applicant must pass a certification examination and complete 8,000 hours of work for a C-10 electrical contractor installing, constructing or maintaining electrical systems covered by the National Electrical Code. For additional details, please visit: <https://www.dir.ca.gov/dlse/ECU/ElectricalTrade.html>

Graduates can find employment in these fields:

- Electrician
- Security and Fire Alarm System Installers
- Signal and Track Switch Repairers
- First-Line Supervisors of Construction Trades and extraction Workers

Source: Occupational Information Network (O*Net), www.onetonline.org



Job Related Skills

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:

- Assist skilled construction or extraction personnel
- Create construction or installation diagrams
- Direct construction or extraction personnel
- Inspect electrical or electronic systems for defects
- Install electrical components, equipment, or systems
- Order construction or extraction materials or equipment
- Repair electrical equipment
- Test electrical equipment or systems to ensure proper functioning
- Thread wire or cable through ducts or conduits

Source: Occupational Information Network (O*Net), www.onetonline.org



Admissions Requirements

- 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 school work outside of scheduled class hours.



Course Listing*

Core Course Requirements

| Course ID | Course Name | Credit Units |
|-----------|---|--------------|
| ELEC 111 | Electrical Conduit Bending & Raceway Systems | 5.0 |
| ELEC 121 | Blueprint Reading & Safety for Electricians | 5.0 |
| ELEC 130 | Technical Math and Electric Circuits | 10.0 |
| ELEC 200 | Residential Wiring | 5.0 |
| ELEC 211 | Commercial Wiring | 5.0 |
| ELEC 212 | Industrial Wiring | 5.0 |
| ELEC 220 | Programmable Logic Controllers & Industrial Electronics | 5.0 |

Certificate Total 40.0

General Education Courses

| 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 the Natural Sciences | 3.0 |
| PHIL 1C | Ethics | 3.0 |
| PSY 1 | General Psychology | 3.0 |
| SOC 1 | Introduction to Sociology | 3.0 |

Total 24.0

A.S. Degree Total 64.0

*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 and also 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 (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>.

SJVC Locations

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|------------------------------------|---|----------------------------------|------------------------------------|---------------------------------------|---------------------------------|
| ATASCADERO 805.470.7130 | FRESNO 559.448.8282 | HESPERIA 760.948.1947 | MODESTO 209.542.8800 | RANCHO CORDOVA 916.638.7582 | TEMECULA 951.296.6015 |
| BAKERSFIELD 661.834.0126 | FRESNO - TRADES EDUCATION CENTER 559.453.0123 | LANCASTER 661.974.8282 | ONTARIO 909.948.7582 | RANCHO MIRAGE 442.305.7701 | VISALIA 559.651.2500 |
| DELANO 661.778.1145 | HANFORD 559.584.8840 | MADERA 559.302.2155 | PORTERVILLE 559.853.4114 | SANTA MARIA 805.608.3104 | |

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