

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 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	MODESTO 209.542.8800
BAKERSFIELD 661.834.0126	ONTARIO 909.948.7582
DELANO 661.778.1145	PORTERVILLE 559.853.4114
FRESNO 559.448.8282	RANCHO CORDOVA 916.638.7582
FRESNO - TRADES EDUCATION CENTER 559.453.0123	RANCHO MIRAGE 442.305.7701
HANFORD 559.584.8840	SANTA MARIA 805.608.3104
HESPERIA 760.948.1947	TEMECULA 951.296.6015
LANCASTER 661.974.8282	VISALIA 559.651.25002
MADERA 559.302.2155	

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/electrical-technology/

sjvc.edu



Train for a rewarding career in

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>



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 electrical circuitry and practical applications
- Procedures for the installation, operation, maintenance and repair of residential, commercial, and industrial wiring, electrical equipment and systems
- Proper usage of the basic tools of the trade
- Basic use and application of the National Electrical Code and California Electrician Certification Exam preparation
- Reports and document preparation, electronically and in writing
- Advanced electrical concepts and critical thinking skills to interpret and create blueprint drawings for residential, commercial and light industrial facilities
- 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 in the electrical industry

At SJVC, we value:

- Integrity**
- Family**
- Professionalism**
- Communication**
- Diversity**
- Success**

Credential and Professional Certifications

Graduates earn a Certificate of Completion or an Associate of Science Degree and have the opportunity to earn OSHA 10-Hour Construction, CPR, and First Aid certifications. Graduates are eligible to take the California General Electrician's Certification Exam, administered by the California Department of Industrial Relations (DIR). 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>

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 typically do:

- Plan layout and installation of electrical wiring, equipment, or fixtures
- Install electrical components, equipment, or systems
- Repair or replace wiring, equipment, or fixtures
- Place conduit, pipes, or tubing and pull insulated wires or cables through the conduit to complete circuits between boxes
- Install ground leads and connect power cables to equipment
- Connect wires to circuit breakers, transformers, or other components
- Inspect electrical systems, equipment, or components
- Thread wire or cable through ducts or conduits

Source: <https://www.onetonline.org/link/summary/47-2111.00>

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

Graduates may find employment in these fields:

- Electrician
- Solar Thermal Installers and Technicians
- Electric Motor, Power Tool, and Related Repairers
- Electrical and Electronics Repairers, Commercial and Industrial Equipment

SJVC prepares students to take appropriate certification and licensure exams related to their individual majors. The College does not guarantee students will successfully pass these exams or be certified or licensed as a result of completing the program.

GET MORE INFO ON ENROLLMENT:

www.sjvc.edu/program/electrical-technology/

sjvc.edu    