ELECTRICAL TECHNOLOGY

About This Program

Carrington's Electrical Technology[1] 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. Upon completion of the Electrical Technology certificate, graduates can enroll in the Trades Studies program to earn an Associate of Science degree online. Please see the Trades Studies section of the catalog for additional details.

Careers in Electrical Technology

Graduates of Carrington College's Electrical Technology program may find employment as:

- Electricians

- Security and Fire Alarm System Installers

- Signal and Track Switch Repairers

- First-Line Supervisors of Construction Trades and Extraction Workers

Technical Coursework

Carrington College uses technologies and equipment to support the learning process such as industry-standard equipment and software.

Carrington's academic catalog, available at **carrington.edu/catalog**, provides the most current and detailed program information, including admission and graduation requirements.

Knowledge and Skills

Upon completion of the Electrical Technology program, graduates will be able to:

- Apply the necessary skills to troubleshoot and install electrical equipment in residential, commercial, and industrial environments.

- Explain the national electrical codes for electrical installations.

- Effectively understand electrical prints.

- Utilize OSHA standards for safe practice.

The program culminates in a Certificate of Achievement.

[1] Applicants for jobs in the electrical technology field may be subject to pre-employment screenings such as, but not limited to, criminal background checks, drug and/or alcohol testing, physical and/or psychological examinations and credit check.

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CARRINGTON COLLEGE® TRADES

ELECTRICAL TECHNOLOGY

Blended: Sacramento

Electrical Technology Blended Program Requirements

TECHNICAL COURSES		LECTURE HOURS	LAB HOURS	SEMESTER CREDIT HOURS
ELEC111	Electrical Conduit Bending and Raceway Systems	60	30	5
ELEC121	Blueprint Reading and Safety for Electricians	60	30	5
ELEC130	Technical Math and Electric Circuits	120	60	10
ELEC200	Residential Wiring	60	30	5
ELEC211	Commercial Wiring	60	30	5
ELEC212	Industrial Wiring	60	30	5
ELEC220	Programmable Logic Controllers/Industrial Electronics	60	30	5
TOTAL FOR CERTIFICATE		**480**	**240**	**40**

Approximate time to complete certificate program: 40 weeks (not including breaks)

Accreditation, Approvals, and Disclosures

The Electrical Technology certificate program at the Sacramento campus is approved by the Department of Industrial Relations, Division of Labor Standards Enforcement. The Department of Industrial Relations, Division of Labor Standards Enforcement is located at 1515 Clay Street, Suite 1302, Oakland, CA 94612, 510 286 3900. www.dir.ca.gov/dlse/ecu/electricaltrade.html.

Carrington College is accredited by the Accrediting Commission for Community and Junior Colleges, 428 J Street, Suite 400, Sacramento, CA 95814, (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 **accjc.org.**

For comprehensive information on Carrington College's accreditation and approvals, visit **carrington.edu/accreditation.** Visit **carrington.edu/sci** for important information on program outcomes.

Program availability varies by location. Carrington College reserves the right to update information as it becomes available. For the most updated information, visit **carrington.edu.**

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