

# ELECTRICAL TECHNOLOGY

## About This Program

Carrington's Electrical Technology<sup>1</sup> 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, the student should be able to install, maintain, and repair electrical equipment and systems in a safe, competent, and professional manner.

## 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

## 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.

## 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](http://carrington.edu/catalog), provides the most current and detailed program information, including admission and graduation requirements.



<sup>1</sup> 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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Blended: Phoenix Education Center

## Electrical Technology Blended Program Requirements

TECHNICAL COURSES		LECTURE HOURS	LAB HOURS	SEMESTER CREDIT HOURS
ET105	OSHA Standards for the Construction Industry	60	30	5
ET115	Electrical Conduit Bending	45	60	5
ET135	Electrical Circuits	45	60	5
ET200	Commercial Wiring	60	30	5
ET215	Industrial Wiring	15	30	2
ET235	Programmable Logic Controllers/Industrial Electronic	15	45	3
ET220	Residential Wiring	60	30	5
<b>TOTAL FOR CERTIFICATE</b>		<b>300</b>	<b>285</b>	<b>30</b>

Approximate time to complete certificate program: 36 weeks (not including breaks)

## Accreditation and Disclosures

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](http://accjc.org).

For comprehensive information on Carrington College's accreditation and approvals, visit [carrington.edu/accreditation](http://carrington.edu/accreditation). Visit [carrington.edu/sci](http://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](http://carrington.edu).



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