

Electrical Technology Certificate

The use of electrical technology in residential, commercial and industrial applications continues to grow rapidly. Electricians install and maintain electrical systems for a variety of purposes, including lighting, appliances, industrial control, security and communications.

The Electrical Technology Certificate is a 30 credit-hour program that is completed in two semesters. Designed to give students the basic skills to gain entry-level employment as a residential or commercial electrician, the curriculum emphasizes hands-on training integrated with knowledge of theory and study of the National Electrical Code. As a requirement for completion, students will sit for their local licensure exam.

After attainment of the certificate, students can complete advanced studies toward the Electrical Technology Associate of Applied Science (<https://catalog.jccc.edu/archives/2024-25/degreecertificates/electricaltechnology/electrical-technology-aas/>) which prepares students to work in the electrical trade in estimating, industrial power and control, and solar photovoltaic installation.

(Major Code 5110; CIP Code 46.0302)

Electrical Technology Program web page (<http://www.jccc.edu/academics/credit/electrical-technology/>)

Certificate Requirements

Fall Semester

Code	Title	Hours
COMS 155	Workplace Skills	1
ELTE 110	AC/DC Circuits	4
ELTE 115	Print Reading	2
ELTE 122	National Electrical Code I	4
ELTE 125	Residential Wiring*	4
Total Hours		15

Spring Semester

Code	Title	Hours
CMGT 100	Industrial Safety/OSHA-30	3
ELTE 175	Low Voltage Wiring*	3
ELTE 200	Commercial Wiring*	4
ELTE 222	National Electrical Code II*	4
ELTE 223	Electrical Certification Review*	1
Total Hours		15

Total Program Hours: 30

* This course has registration requirements.