

# Electrical Technology Certificate

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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 towards the Electrical Technology Associate of Applied Science which prepares students to work in the electrical trade in estimating, industrial power and control, and solar photovoltaic installation.

(Major Code 5110; State CIP Code 46.0302)

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

## Fall Semester

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
<b>Total Hours</b>		<b>15</b>

## Spring Semester

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
<b>Total Hours</b>		<b>15</b>

**Total Program Hours: 30**