Electrical Technology Certificate

The electrical technology vocational certificate program is a one-year program that students can complete in two semesters. Designed to give students the basic skills to gain employment as a construction or maintenance electrician, the curriculum includes an internship with local employers.

Suggested/Sample Course Sequence

The sequence taken by the student may vary depending on prerequisites, course availability, and personal/ professional responsibilities.

(Major Code 5200; State CIP Code 46.0302)

- Gainful Employment - Electrical Technology (http://www.jccc.edu/electrical-tech/ge-electrical.html)
- Electrical Technology (http://www.jccc.edu/electrical-tech)

First Semester

ELTE 122	National Electrical Code I	4
ELTE 125	Residential Wiring Methods*	4
ELTE 123	Electromechanical Systems	4
INDT 125	Industrial Safety/OSHA 30	3
Total Hours		15

Second Semester

Technical Electives (see below)		3
ELTE 200	Commercial Wiring Methods*	4
ELTE 210	Code Certification Review*	3
ELTE 271	Electrical Internship I*	3
INDT 155	Workplace Skills	1
Total Hours		14

Technical Electives

ELTE 202	Electrical Estimating*	3
ELTE 205	Industrial Electrical Wiring*	4
ELTE 215	Generators, Transformers and Motors*	4
CET 105	Construction Methods	3
DRAF 120	Introduction to Drafting	2
DRAF 129	Interpreting Architectural Drawings	2
ELEC 120	Introduction to Electronics	3
ELEC 125	Digital Electronics I	4
ELEC 126	Microcomputer A+ Preparation	4
ELEC 131	Introduction to Sensors and Actuators	3
ELEC 133	Programmable Controllers	3
ELEC 165	Advanced Programmable Controllers*	3
ELEC 185	LAN Cabling and Installation	3
EPRM 252	Solar Electric Systems*	3
EPRM 256	Solar Electric Systems Lab*	1
HVAC 121	Basic Principles of HVAC*	4

Total Program Hours: 29