

Electrical Technology

Certificate

Program/CIP Code: ELEC.TCERTB/46.0302

Credits Required: 44

Division: TEC

Contact: TEC@kckcc.edu

Electrical Technology is a program that develops basic electrical skills, technical knowledge, and related occupational information to prepare for initial employment in the electrical trade. Students will begin with the basic fundamentals of electricity and progress through all types of residential, commercial and industrial wiring, including advanced solid state motor controls.

Requirements for admission to the program:

- Reading score of 60 or higher on the Accuplacer.
- Contact program for program-specific advising.

Electrical Technology Requirements*

Course		Credit Hours
ELET 0100	Safety (OSHA)	2
ELET 0101	Electromechanical Systems	3
ELET 0104	Print Reading	2
ELET 0105	Workplace Skills	1
ELET 0120	Electrical Math	3
ELET 0130	AC/DC Circuits I	4
ELET 0150	Residential Wiring I	4
ELET 0110	National Electrical Code I	4
ELET 0200	Commercial Wiring I	4
ELET 0232	Electrical Circuits, Instruments and Measurements	2
ELET 0245	Troubleshooting Techniques	2
ELET 0210	National Electric Code II	4
ELET 0253	Motor Controls	3
ELET 0255	Programmable Controllers	2
Electives (Selected by Instructor)		
ELET 0203	Analog Circuits (2hrs)	4
ELET 0240	HVAC Systems (2hrs)	
ELET 0265	Generators and Transformers (2hrs)	
*See course syllabi for Electrical Technology course prerequisites.		

Total Hours for an Electrical Technology Certificate	44
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