# ELECTRICAL TECHNOLOGY

### ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

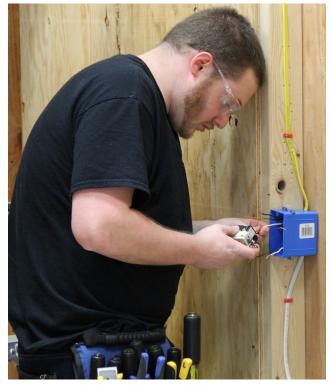
The Electrical Technology program trains students with the technical background and manual skills necessary for careers in the installation and maintenance of various modern residential, commercial, and industrial electrical systems. All State of Maine Journeyman electrical licensing educational requirements are met or exceeded in this program.

"The Electrical Technology program at KVCC is one of the best in the State. With a great student/ instructor ratio there is a lot of hands-on instruction.

The instructors are very knowledgeable and have many years of experience."



## Become an electrician and be current in your field



## What Electronical Technology graduates do:

- Install wiring
- Troubleshoot electrical problems
- Install service panels
- Connect equipment
- Install electrical devices
- Read blueprints
- Calculate volts, amps, and watts
- Work in teams or alone

#### **Career Opportunities:**

- Educational facilities
- Small businesses
- Industrial plants
- Hospital facilities
- Commercial and industrial construction
- Residential construction

For further questions about this program, please contact:

elec@kvcc.me.edu or go to: www.kvcc.me.edu/elec

### ELECTRICAL TECHNOLOGY

COURSE # COURSE TITLE

Associate	in Applied	Science	Degree
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First Semester						
	BPT125*	Construction Print Reading	3			
	ENG108	Technical Writing	3	Min. Accuplacer writing score of 74		
	ETL113*	Electrical Circuits I	3	(MAT114)		
	ETL121*	Electrical Wiring Practices I	5	ETL113		
	MAT114	Technical Math	3	Min. Accuplacer arithmetic score of 55		
	Second Se	emester				
	ETL114*	Electrical Circuits II	3	ETL113		
	ETL120*	Rotating Machines and Transformers	3	ETL113 (ETL114)		
	ETL124*	Fundamentals of Electronics	3	ETL113 (ETL114)		
	ETL127*	Electrical Motor Control	3	ETL113 (ETL114, ETL120)		
	MAT117	College Algebra	3	High school algebra, min. Accuplacer		
				algebra score of 75, or successful		
				completion of MAT031		
	Third Semester					
	COM104	Introduction to Communication OR				
	COM105	Interpersonal Communication	3			
	ETL215*	National Electrical Code	3	ETL121 or currently working in the field		
				as an electrician		
	ETL221*	Industrial Control Systems	3	ETL124, ETL127		
		General Education Elective	3			
		Humanities Elective	3			
	Fourth Semester					
	ETL122*	Electrical Wiring Practices II	5	ETL221		
	ETL216*	Advanced National Electrical Code	3	ETL215		
	ETL222*	Introduction to Instrumentation	3	ETL221		
	ETL225*	Photovoltaic & Small Wind Electrical Systems	3	(ETL122)		
		Social Science Elective	3			
		Total Credits	64			

### **CRITERIA FOR GRADUATION**

Students must complete 64 credits in the Electrical Technology degree program and achieve a minimum grade of "C" in all core courses (\*). Students must attain a final GPA of 2.0 or higher.

Revised: October 30, 2017