

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 Electrical 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	CREDITS	PREREQUISITES (CO-REQUISITES)
Associate in Applied Science Degree			
<i>First Semester</i>			
__ __	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
<i>Second Semester</i>			
__ __	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
<i>Third Semester</i>			
__ __	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	
<i>Fourth Semester</i>			
__ __	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