

ELECTRICAL TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Become an electrician
and be current in your field

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."



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
DEPARTMENT CHAIR: SKIP DAVIS, 207-453-5112

Associate in Applied Science Degree

<i>First Semester</i>		<i>Third Semester</i>		
BPT125*	Construction Print Reading	3	COM104 Introduction to Communication OR	
ENG108	Technical Writing	3	COM105 Interpersonal Communication	3
ETL113*	Electrical Circuits I	3	ETL215* National Electrical Code	3
ETL121*	Electrical Wiring Practices I	5	ETL221* Industrial Control Systems	3
MAT114	Technical Math	3	_____ General Education Elective	3
			_____ Humanities Elective	3
<i>Second Semester</i>		<i>Fourth Semester</i>		
ETL114*	Electrical Circuits II	3	ETL122* Electrical Wiring Practices II	5
ETL120*	Rotating Machines and Transformers	3	ETL216* Advanced National Electrical Code	3
ETL124*	Fundamentals of Electronics	3	ETL222* Introduction to Instrumentation	3
ETL127*	Electrical Motor Control	3	ETL225* Photovoltaic & Small Wind	3
MAT214	Technical Math II	3	_____ Electrical Systems	
			_____ Social Science Elective	3
			Total Credits	64

Students working in the field doing electrical installations as a helper electrician may be able to get lab credit for ETL121 and ETL122. This would mean that they would only need to attend the lecture portion of the course. The course instructor(s) will determine if lab credit is available.

Students who are graduates of a two-year electrical program at a secondary career and technical center may qualify for credit for ETL121 and will not need to take this course. See program faculty for more information.

CRITERIA FOR GRADUATION

Students must complete 64 credits in the Electrical Technology degree program or 34 credits in the certificate program and achieve a minimum grade of "C" in all core courses (*). Students must attain a final GPA of 2.0 or higher.