ELECTRICAL TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE DEGREE

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 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	CREDITS	PREREQUISITES (CO-REQUISITES)

Associate in Applied Science Degree

First Semester

	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES
__ __	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 Semester

	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES
__ __	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

	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES
__ __	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

	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES
__ __	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