



### ELECTRICIAN TECHNOLOGY

### CERTIFICATE

#### Curriculum Requirements: 36 Credits START HERE

1			
Summer Term II (6 credits)			
COMM 105 Professional Communications	3	★	<input type="checkbox"/>
MATH 130 Technical Math	3	★	<input type="checkbox"/>
<b>Total Credits</b>	<b>6</b>		<input type="checkbox"/>

2			
Fall Term I (6 credits)			
	Credits	Milestone	Completed
ELEC 101 Basic Electricity 1	3	★	<input type="checkbox"/>
ELC 150 Electrical Blueprint Reading	3	★	<input type="checkbox"/>
<b>Total Credits</b>	<b>6</b>		

3			
Fall Term II (6 credits)			
	Credits	Milestone	Completed
ELEC 120 Electrical Controls I	3	★	<input type="checkbox"/>
ELEC 201 Basic Electricity II	3		<input type="checkbox"/>
<b>Total Credits</b>	<b>6</b>		

4			
Spring Term I (6 credits)			
	Credits	Milestone	Completed
ELEC 190 Basic Electronics	3		<input type="checkbox"/>
ELEC 220 Electrical Controls II	3		<input type="checkbox"/>
<b>Total Credits</b>	<b>6</b>		

5			
Spring Term II (6 credits)			
	Credits	Milestone	Completed
ELEC 250 Electric Motors	3	★	<input type="checkbox"/>
ELEC 260 Transformers	3		<input type="checkbox"/>
<b>Total Credits</b>	<b>6</b>		

6			
Summer Term I (6 credits)			
	Credits	Milestone	Completed
ELEC 160 Introduction to Renewable Energy	3	★	<input type="checkbox"/>
ELEC 180 National Electrical Code	3	★	<input type="checkbox"/>
<b>Total Credits</b>	<b>6</b>		

**Program Milestones**

Program milestone courses should be taken in the term and order noted.

**Make Your Summers Matter**

Summer course work is required for the program.

### General Advising Notes

Eligibility Requirements:

- High school diploma or equivalent
- C or better in Algebra I

All classes with an ELC prefix are on campus only.

## YOU'VE FINISHED!

To learn more, call us at 207-216-4409 or  
visit [www.yccc.edu](http://www.yccc.edu) \* 112 College Drive, Wells, Maine

## **Program Description**

Electrician Technology is a one-year certificate program that teaches students to install, maintain and troubleshoot electrical devices and equipment. Students will gain an understanding to the regulations of residential and commercial wiring and renewable energy.

This program provides the 576 hours of education needed to meet the licensing requirements of the State of Maine and, upon successful completion of the program and completion of 4,000 hours in the field of electrical installations, the State of Maine Electrician Examining Board will allow the student to sit for the journeyman's examination.

## **Program Learning Outcomes**

Students who successfully complete the certificate in Electrician Technology will be able to:

- Practice the electrical skills of the profession in an ethical and responsible manner.
- Respond appropriately to a variety of residential, commercial, and industrial electrical situations.
- Apply knowledge of electrical theory in various projects, including blueprint reading, wiring, pipe bending, motor control, switching, and power circuits.
- Possess in-depth knowledge of the National Electrical Code.

## **Career Opportunities**

Graduates of this program will pursue careers as journeyman electricians.

### *DISCLAIMER*

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