Washington County Community College
Calais, Maine
Discover Choices • Create Success

wccc.me.edu/programs

RESIDENTIAL & COMMERCIAL ELECTRICITY

PROGRAM **DESCRIPTION**

Graduates of WCCC's **Residential and Commercial Electricity** program receive 4,000 hours of credit toward the 8,000-hour experience requirement for a Maine journeyman electrician license. Upon graduation, students may apply to the Maine Electricians' Examining Board for approval to take the journeyman electrician examination and may enter supervised electrical employment. After passing the examination and completing 2,000 hours of documented licensed electrical-installation experience, graduates may qualify to apply for a journeyman-in-training license. Graduates must complete 4,000 total hours of documented field experience beyond the hours credited for the WCCC program before applying for full journeyman electrician licensure. All examinations and licenses require approval by the Maine Electricians' Examining Board.

Career **OPPORTUNITIES**

Be prepared to apply for approval to take the Maine journeyman electrician examination and enter supervised electrical employment while completing the experience required for state licensure. **Please note:** Licensure is granted by the State of Maine, not by WCCC. Students should consult the Maine Electricians' Examining Board for current examination, experience, application, and licensure requirements.

PROGRAM **OUTCOMES**

1. Understand and apply knowledge in layout, assembly, installation, and troubleshooting of fixtures, devices, services, heating systems, pumps, motors, and motor controls used in residential, commercial, and some industrial locations.
2. Understand and apply knowledge of electrical theory and techniques of the trade, including blueprint reading, wiring, pipe bending, motor control, switching, and power circuits.
3. Demonstrate ability to understand requirements of the National Electrical Code in all wiring installations.
4. Be eligible to take State of Maine journeyman's electrician examination and to enter employment under a master electrician.
5. Qualify for employment opportunities with electrical contractors, electrical equipment suppliers, and industrial maintenance companies.

Washington County Community College is an equal opportunity/affirmative action institution and employer. For more information; please call Tatiana Osmond, Affirmative Action Officer, at 454-1094

Apply Now!
Use this QR code or go to wccc.me.edu/apply.

Placement in MAT106, College Math for Technology or a graduate of a Regional Technical Center Electrical Program or equivalent or pass high school algebra with a C or better is required for admittance into the program. Students are assessed using the Accuplacer.

Residential and Commercial Electricity Course Curriculum

Diploma

45 Credit Hours

Course #	Course Title	Credits
	Semester 1	
DRG 126	Architectural Drafting and CAD	3
FYE 100	First Year Experience	1
MAT 106	College Mathematics for Technologies	3
REY 131	Residential and Commercial Electricity Technology I	2
REY 152	Residential and Commercial Electricity Technology II	8
TEC 150	Electronic Principles I	3
	Total	20
	Semester 2	
ENG 101	College Composition	3
NEC 111	National Electrical Code	3
REY 181	Residential and Commercial Electricity Technology III	9
REY 184	Residential and Commercial Electricity Technology IV	4
TEC 151	Electronic Principles II	3
	Total	22
	Semester 3	
REY 190	Residential and Commercial Electricity Internship	3
	Total	3

Cost per credit hour is $96. For more information visit: https://wccc.me.edu/admissions-aid/finances/tuition-fees/
Financial Aid is available for students who qualify at www.FAFSA.Ed.Gov School Code: 009231

Visiting the campus is easy. Contact the Office of Admissions at 207-454-1000 or wcccadmissions@mainecc.edu to schedule a time to visit!
For more program specific information, please contact the program instructor Tim James, tjames@mainecc.edu or 207-454-1071