Central Maine
COMMUNITY COLLEGE

ELECTROMECHANICAL TECHNOLOGY

Associate in Applied Science



The Associate in Applied Science in Electromechanical Technology prepares students for careers in the electrical, electronic, and automation fields that demand skilled technicians ready to adapt to rapidly changing technology.

The program provides hands-on experience with industrial controls, robotics, and process systems, supported by a strong foundation in electrical and electronic theory. The Electromechanical Technology program is approved by the State of Maine Electrician's Examination Board to meet examination requirements.

Students study content in five major areas:

1. Electricity and Industrial Controls
2. Digital and Analog Electronics
3. Process Contol and Measurement
4. Robotics and Automation
5. Telecommunications

Graduates may pursue careers as:

- **Electromechanical Technician**
- **Electrical/Electronic Technician**
- **Electrician or Journeyman in Training (after required field hours)**
- **Engineering Assistant**
- **Instrument Technician**
- **Maintenance Technician**
- **Robotics Technician**
- **Computer Technician**

Graduates with an A.A.S. are allowed to sit for the Journeyman License Exam if they have completed National Electrical Code I (ELT-117). Please see the catalog for full requirements to sit for the Journeyman License Exam.

Please see catalog for full program requirements.
Central Maine Community College is an equal opportunity/affirmative action institution and employer.

Degree Requirements

Semester I		Credit Hours
ELT 101	Electricity I	3
ELT 123	Electrical Controls I	3
ELT 153	Digital Logic	3
MAT ___*	Select one of the following:	3
	MAT 104 Technical Mathematics	
	MAT 122 College Algebra or higher	
___ ___	Elective: Humanities or Social Science	3

Semester II		
ELT 115	Electricity II	3
ELT 145	Electronic Devices I	3
ENG ___*	Select one of the following:	3
	ENG 101 College Writing	
	ENG 105 College Writing Seminar	(4)
ELT 201	Communication Electronics	3
MAT ___	Elective: MAT 105 or higher	3
___ ___	Elective: General Elective	3

Semester III		
ELT 221	Industrial Controls	3
ELT 231	Process Measurement	3
ELT 245	Electronic Devices II	3
ELT 276	Automation Systems	3
ENG 201	Technical Writing	3

Semester IV		
ELT 222	Programmable Controls	3
ELT 232	Process Control	3
ELT 246	Linear Integrated Electronics	3
ELT 271	Industrial Robotics	2
___ ___	Elective: Humanities or Social Science	3

Total Credit Hour Requirements **63-64**

**Course placement determined by assessment test scores and/or prior college coursework*



Central Maine Community College

Electromechanical Technology Degree Prerequisites/Requirements:
High school students must have completed Algebra I (Algebra II preferred) for admission to this program.

Office of Admissions
1250 Turner Street • Auburn, ME 04210
(207) 755-5273 • cmccadmissions@mainecc.edu

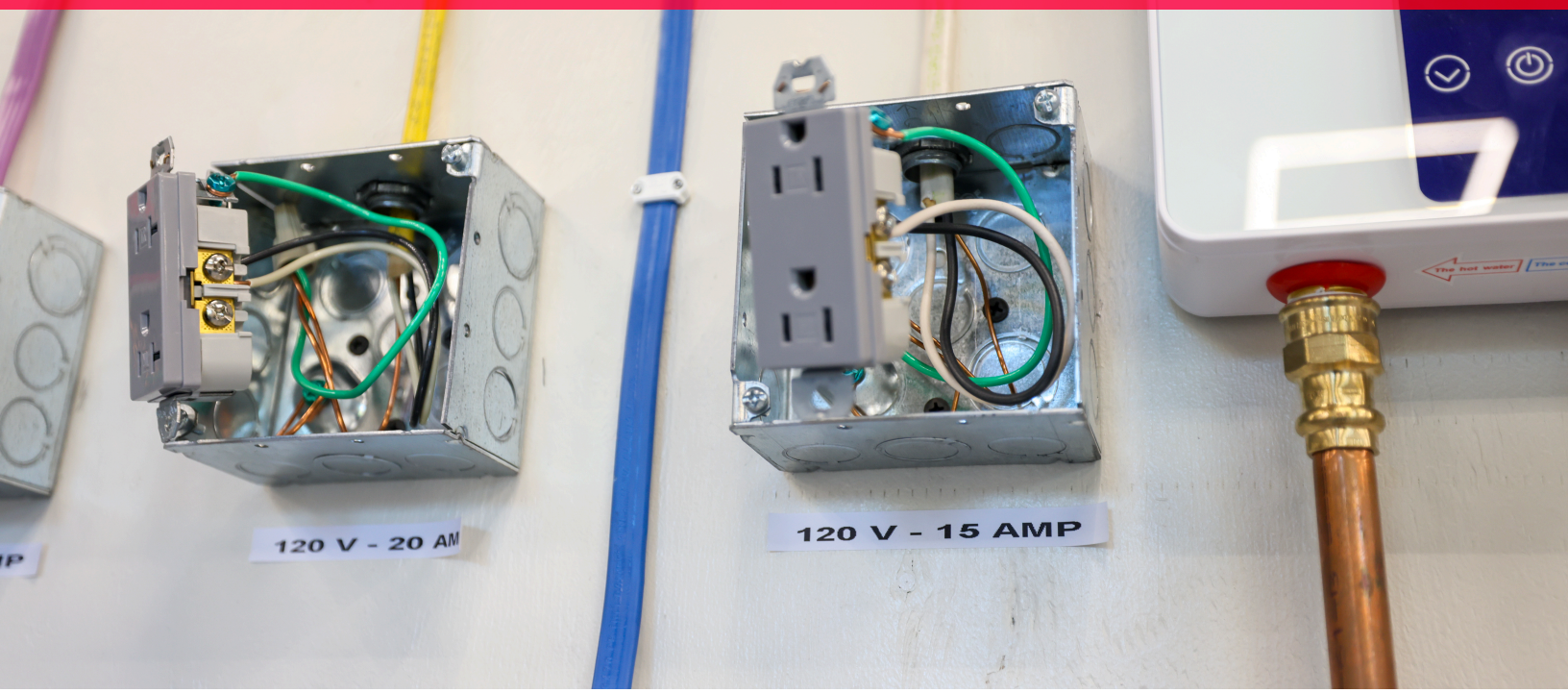
www.cmcc.edu

Find CMCC on social media at CMCCMaine

Central Maine
COMMUNITY COLLEGE

ELECTRICAL CONSTRUCTION

Certificate



The Electrical Construction Certificate provides students with the foundational skills and hands-on training needed to begin a career in the electrical field.

Graduates will be prepared to work as an electrician's helper and start accumulating the 4,000 hours of supervised experience required to become eligible for the Maine State Journeyman Electrician License exam. These hours count toward the total 8,000 hours needed to qualify for the exam, making this certificate an important first step toward becoming a licensed journeyman electrician.

Graduates may pursue careers as:

- **Electrician's Helper or Apprentice**
- **Residential or Commercial Electrical Installer**
- **Maintenance Electrician Assistant**
- **Construction or Renovation Technician**
- **Electrical Systems Installer**

Please see catalog for full program requirements.
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Certificate Requirements

Semester I		Credit Hours
MAT ___*	Select one of the following:	3
	MAT 104 Technical Mathematics	
	MAT 122 College Algebra	
ELT 101	Electricity 1	3
ELT 118	Electrical Construction Documents	3
ELT 123	Electrical Controls I	3
ELT 153	Digital Logic	3

Semester II		
ENG ___*	Select one of the following:	
	ENG 101 College Writing	3
	ENG 105 College Writing Seminar	(4)
ELT 115	Electricity II	3
ELT 117	National Electrical Code	3
ELT 145	Electronic Devices I	3
ELT 201	Communication Electronics	3

Total Core Credit Requirements **30-31**



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