

# ELECTROMECHANICAL TECHNOLOGY

Associate in Applied Science • Certificate



**The Associate in Applied Science in Electromechanical Technology prepares students for careers in electrical and electronic fields that require skilled technicians capable of dealing with rapid changes in technology. 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 Control and Measurement
4. Robotics and Automation
5. Telecommunications

**Graduates may pursue careers as:**

- **Electromechanical technicians**
- **Electrical/electronic technicians**
- **Electricians assistants**
- **Engineering assistants**
- **Instrument technicians**
- **Maintenance technicians**
- **Robotic technicians**
- **Computer technicians**

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.

## Degree Requirements

Semester I		Credit Hours
ELT 101	Electricity I	3
ELT 123	Electrical Controls I	3
ELT 153	Digital Logic	3
— —	Select <u>one</u> of the following:	3
	*MAT 100 Intermediate Algebra	
	MAT 122 College Algebra	
— —	Elective: Humanities/Social Science	3
<b>Semester II</b>		
ELT 115	Electricity II	3
ELT 145	Electronic Devices I	3
ENG —	Select <u>one</u> of the following:	3
	*ENG 101 College Writing	
	ENG 105 College Writing Seminar	(4)
ELT 201	Communication Electronics	3
— —	Elective: (MAT 105 or higher)	3
— —	Elective: Humanities/Social Science	3
<b>Semester III</b>		
ELT 221	Industrial Controls	3
ELT 231	Process Measurement	3
ELT 245	Electronic Devices II	3
ELT 271	Industrial Robotics	3
	Elective: Mathematics/Science	3-4
<b>Semester IV</b>		
ELT 222	Programmable Controls	3
ELT 232	Process Control	3
ELT 246	Linear Integrated Electronics	3
ELT 276	Automation Systems	2
ENG 201	Technical Writing	3
— —	Elective: Humanities/Social Science	3
<b>Total Credit Hour Requirements</b>		<b>65-66</b>

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

## Certificate Requirements

Semester I		Credit Hours
MAT —	Select <u>one</u> of the following:	3
	MAT 100 Intermediate Algebra	
	MAT 122 College Algebra	
BCA 120	Introduction to Computer Applications	3
ELT 101	Electricity I	3
ELT 123	Electrical Controls I	3
ELT 153	Digital Logic	3
<b>Semester II</b>		
ENG —	Select <u>one</u> of the following:	3
	*ENG 101 College Writing	
	ENG 105 College Writing Seminar	(4)
ELT 115	Electricity II	3
ELT 145	Electronic Devices I	3
ELT 201	Communication Electronics	3
<b>Total Core Credit Requirements</b>		<b>27</b>



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

### Office of Admissions

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[www.cmcc.edu](http://www.cmcc.edu)

Find CMCC on social media at CMCCMaine!

