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

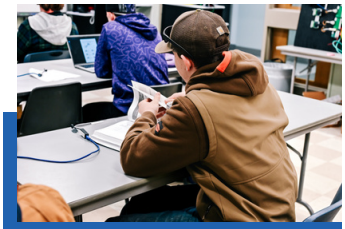
wccc.me.edu/programs



ELECTROMECHANICAL INSTRUMENTATION TECHNOLOGY

PROGRAM **DESCRIPTION**

The **Electromechanical Instrumentation Technology** Associate in Applied Science Degree is designed to provide students with additional knowledge beyond our Residential and Commercial Electricity program in the areas of Programmable Logic Controls, Instrumentation, Computer Electronics, and Physics. Graduates of this program will have solid skills to work in the production, manufacturing and process industries. The graduate will possess knowledge of the control process in manufacturing and production, troubleshooting, and maintaining such systems.









Career **OPPORTUNITIES**

Graduates from the program will be prepared to assume positions in manufacturing facilities where the process is computer controlled and involves programmable logic circuits and both electronic and pneumatic control. This program has been developed through a cooperative partnership with the local paper production industry. It is designed, however, to be applicable to a variety of manufacturing and production industries. **Students will have the opportunity to start careers in the manufacturing sector locally and regionally as well as transfer to four-year programs in the engineering fields.**

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 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. Qualify for employment opportunities with manufacturing facilities, companies using process control systems, and industrial maintenance and troubleshooting companies.

Washington County Community College is an equal opportunity/affirmative action institution and eployer. 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.

Electromechanical Instrumentation Technology Course Curriculum

63 Credit Hours

Associate in Applied Science

Course #	Required for Associate Degree Option	Credits
	Semester 1	
ENG101	College Composition	3
FYE100	First Year Experience	1
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	17
	Semester 2	
NEC 111	National Electrical Code	3
PSY 101	Introduction to Psychology	3
REY 181	Residential and Commercial Electricity Technology III	9
TEC 151	Electronic Principles II	3
	Total	18
	Semester 3	
DRG 124	Print Reading, Sketching, and Introduction to CAD	3
EIT 180	Programmable Logic Control I	3
EIT 250	Industrial Electrical Troubleshooting	3
ENG 210	Technical Writing	3
MAT 127	College Algebra	3
	Total	15
	Semester 4	
EIT 225	Industrial Instrumentation, Automation and Process Control	3
EIT 240	Programmable Logic Control II	3
Elective	Art/Humanity/Social Science Elective	3
PHY 120	Physics	4
	Total	13

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