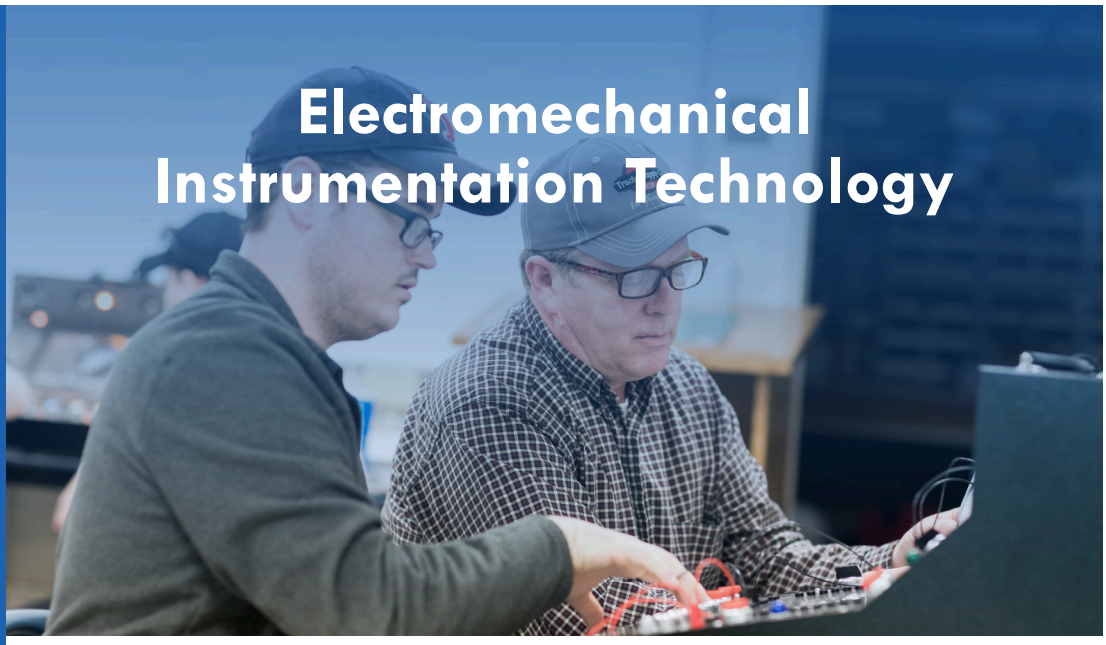
Washington County Community College
Calais, Maine
Discover Choices • Create Success

Electromechanical Instrumentation Technology



Approximate Cost For One Year (Tuition & Fees)

In State
$4,136.50

New Brunswick Residents
$7,865.40

Out of State
$7,865.40

Financial Aid is available for students who qualify. Approximately 85% of WCCC students receive some form of financial aid.

www.FAFSA.Ed.Gov

School Code: 009231

One College Drive
Calais, Maine 04619

207-454-1000

wccc.me.edu

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 Educational Outcomes: Students who successfully complete the Associates in Applied Science degree in Electromechanical Instrumentation Technology will be able to:

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.

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Associate in Applied Science – 63 credit hours

Course #	Course Title	Credits
Semester 1		
ENG 101	College Composition	3
FYE 100	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
REY 181	Residential and Commercial Electricity Technology III	9
PSY 101	Introduction to Psychology	3
TEC 151	Electronic Principles II	3
	Total	**18**
Semester 3		
DRG 124	Print Reading, Sketching, and Introduction to CADD	3
MAT 127	College Algebra	3
EIT 180	Programmable Logic Control I	3
EIT 250	Industrial Troubleshooting	3
ENG 210	Technical Writing	3
	Total	**15**
Semester 4		
EIT 225	Industrial Instrumentation	3
EIT 240	Programmable Logic Control II	3
XXX	Art/Humanity/Social Science Elective	3
PHY 120	Physics	4
	Total	**13**

Visiting the campus is easy. Contact the Office of Admissions at 207-454-1000 or admissions@wccc.me.edu to schedule a time to visit the Residential and Commercial Electricity program! For more program specific information, please contact the program instructor Gilbert Murphy, gmurphy@wccc.me.edu, 207-454-1071.