

ELECTRICAL & AUTOMATION

Electrical and Automation Technology prepares students for exciting and well-paying career paths in the field of electrical power and automation.

 Eastern Maine
Community College

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Students in the **Electrical and Automation** program will function as technicians in the field of electrical power, electronics, or automation.

EMCC has an articulation agreement with the Electrical Engineering Technology program at UMaine. This allows Electrical and Automation graduates to easily transfer into UMaine's 4-year Electrical Engineering Technology program with junior standing.

Graduates are eligible to sit for the State of Maine Journeyman Electrician Exam. After having passed it, as well as having met the on-the-job experience requirements of the State Electrician Examining Board, they will receive a Journeyman Electrician license.

EMCC students enjoy small class sizes, supportive faculty, transferable courses and leadership/engagement opportunities all for under \$4,000/year

(most programs, based on 30 credit hours, in-state rate of \$96 per credit hour)



CAMPUS TOURS AVAILABLE

Call 207.974.4870 or schedule an appointment on our website.

www.emcc.edu/electrical

Prerequisites

AAS Degree: High School level

Algebra I and Algebra II required. Physics and Chemistry with Lab, and Trigonometry desired.

Still in high school? Concurrent enrollment agreements with many high schools and technical education centers are available. Information can be found online at: www.emcc.edu/academics/programs/early-college/



ELECTRICAL & AUTOMATION Associate in Applied Science Degree

1ST SEMESTER CREDITS

CAD-101 **Introduction to CADD** (3)
EPT-116 **DC Circuits** (3)
EPT-176 **Programmable Controllers** (3)
EPT-245 **Digital Electronics** (3)
Elective **Math Elective - sequence below**** (3-4)

2ND SEMESTER CREDITS

EPT-123 **Power Distribution** (3)
EPT-125 **AC Electricity** (3)
EPT-167 **Fluid Power Technology** (3)
EPT-173 **DC/AC Machines** (3)
ENG-101 **College Composition** (3)

** Math sequence choices:

MAT 116 College Algebra & MAT 120 College Trigonometry OR
MAT 120 College Trigonometry & MAT 163 Introduction to Statistics OR
MAT 120 College Trigonometry & MAT 217 Pre-Calculus OR
MAT 123 College Algebra & Trigonometry & MAT 163 Introduction to Statistics OR
MAT 217 Pre-Calculus & MAT 225 Calculus I OR
MAT 225 Calculus I, & MAT 226 Calculus II
^ELO Capstone

LIVE ON CAMPUS



Did you know that EMCC has TWO residence halls on campus?

Built in 2007, Kineo Hall houses students in "blocks" (two double-occupancy rooms with four people of the same gender) or triple-occupancy rooms. Each is individually climate controlled and shares a common bathroom, with double sinks, a shower and a toilet stall.

Acadia Hall houses students in corridor-style double or triple occupancy rooms.

Rooms range from \$1,850 - \$2,250 per semester.

Studies show that students who live on campus not only tend to have higher GPA's, but they are also more likely to complete their education and get more out of their college experience.

Visit www.emcc.edu/housing to learn more!

3RD SEMESTER CREDITS

EPT-228 **Industrial Electronics** (3)
EPT-241 **Linear Circuits** (3)
ENG-296 **Automation Projects I** (3)
ENG-215 **Business & Technical Writing** ^ (3)
PHY-121 **Physics I** (3)
PHY-122 **Physics I Lab** (1)
Elective **Math Elective - sequence below**** (3-4)

4TH SEMESTER CREDITS

EPT-155 **National Electrical Code** (3)
EPT-251 **Control Systems** (3)
EPT-298 **Automation Projects II** (3)
Elective **Any Humanities or Social Science** (3)
SPE-101 **Oral Communication** (3)

▶ **TOTAL AAS DEGREE CREDITS** 64-66