

REFRIGERATION, AIR CONDITIONING & HEATING

Refrigeration, Air Conditioning and Heating Technology provides students with opportunities to become proficient in the installation, maintenance, and repair of commercial refrigeration, air conditioning, and heating equipment.

www.emcc.edu/rah

R.A.H. graduates will meet full educational requirements and partial field experience requirements for State of Maine licensing as journeyman oil burner technicians.

- Graduates of this program find employment in a variety of commercial and industrial settings, with refrigeration, air conditioning, and heating contractors, and in sales positions.
- These licenses or certifications are available to graduates of the program: Limited Electrician in Refrigeration License, EPA Refrigeration Certification, Oil Burner Journeyman License, Propane/Natural Gas 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)



Free Application!
*Scan this code
to apply today.*



 **Eastern Maine
Community College**

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354 Hogan Rd, Bangor, ME 04401 | 207-974-4680 | emcc.edu | #WeAreEMCC

REFRIGERATION, AIR CONDITIONING & HEATING

Associate in Applied Science Degree

Prerequisites

AAS Degree: High School level Algebra I required. Algebra II, Geometry and Physics or Chemistry with Lab desired.

Certificate: High school level Algebra I required.

1ST SEMESTER (CREDITS)

HVAC 103 **Refrigeration & Air Conditioning Lab I**** (2)
HVAC 113 **Refrigeration Components & Physical Principles**** (2.5)
HVAC 123 **Refrigeration Systems & Flow Controls**** (2.5)
HVAC 133 **RAH Electricity I**** (3)
ENGL 100 **Basic Academic & Pre-professional Writing** or
ENGL 101 **College Composition**** (3)
MATH 130 **Technical Mathematics I**** (3)

2ND SEMESTER (CREDITS)

HVAC 104 **Refrigeration & Air Conditioning Lab II**** (2)
HVAC 138 **RAH Electricity II & Motors**** (3)
HVAC 144 **Commercial Refrigeration Systems I**** (2.5)
HVAC 147 **Commercial Refrigeration Systems II**** (2.5)
HVAC 171 **HVAC Print Reading**** (2)
MATH 135 **Technical Mathematics II**** (3)
COMM 107 **Oral Communication**** (3)

3RD SEMESTER (CREDITS)

HVAC 203 **Refrigeration & Air Conditioning Lab III** (2)
HVAC 234 **RAH Controls I** (3)
HVAC 264 **Heat Pump Systems** (1)
HVAC 272 **Gas Heating Systems** (4)
ENGL 201 **Business & Technical Writing** (3)
PHYS 110 **Survey of Applied Physics** (4)

4TH SEMESTER (CREDITS)

HVAC 204 **Refrigeration & Air Conditioning Lab IV** (2)
HVAC 237 **RAH Controls II & Transformers** (3)
HVAC 283 **HVAC Systems I** (2.5)
HVAC 287 **HVAC Systems II** (2.5)
PSYC 211 **Human Relations** or
PSYC 100 **Introduction to Psychology** (3)

TOTAL AAS DEGREE CREDITS 64

** Denotes courses required to complete the **Certificate in Refrigeration**.
Total Credits: 34

We have TWO residence halls on campus!



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.

A meal plan is mandatory for anyone living in residential housing on campus.

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.
Apply early, space is limited!

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



Did you graduate from high school in 2022, 2023, or 2024 or will be graduating in 2025?

Then you may qualify for the Maine Free College Scholarship at EMCC!

Did you know EMCC has its own foundation?

Each year, our Foundation gives out over \$100,000 in scholarships to EMCC students. Visit emcc.edu/foundation to learn more and apply.

CAMPUS TOURS AVAILABLE

Call 207.974.4780 or scan this QR code to schedule an appointment!



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