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

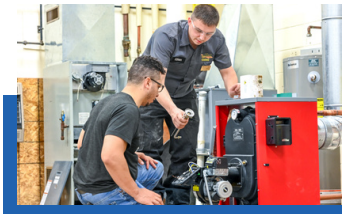
wccc.me.edu/programs



HEATING, VENTILATION, AND AIR CONDITIONING

PROGRAM **DESCRIPTION**

The **HVAC/R Associate in Applied Science** degree is designed to provide students with necessary foundational knowledge to enter the HVAC/R field. This foundational knowledge consists of being versed in each aspect of the HVAC/R sector. Graduates of this program will have the skills needed to work in light commercial and residential settings. The content of the program will enable students to acquire the entry-level skills to repair, diagnose, maintain and install oil heating systems such as oil-fired furnaces and boilers, as well as tanks and piping; LP and natural gas fired heating systems such as furnaces, boilers, space heaters, as well as propane tanks and piping; knowledge of codes and Maine State Laws and Rules and how to apply them to each application; refrigeration cycle and EPA regulations, as well as a specialty in heat pump installations and maintenance.









Career **OPPORTUNITIES**

Graduates of the program will be qualified and able to be licensed to work as a **Field Technician** in all aspects of the HVAC/R trade, as an **Outside Salesperson** for wholesale companies such as F.W. Webb, **System Design Engineer**, **Code Enforcement Officer** for state or local government and more!

PROGRAM **OUTCOMES**

1. Identify and apply the basic theories, principles, and practices of the HVAC/R trade: including regulations, nomenclature, and best practices for customer service and system maintenance.
2. Identify system components and controls of oil, gas, and refrigeration appliances.
3. Identify and systematically troubleshoot common problems and components.
4. Identify and adhere to regulatory and safety protocols and standards in the HVAC/R trade.
5. Evaluate career pathways in the HVAC/R industry, weighing the pros and cons, rewards, and demands in order to think critically and make informed decisions.
6. Use best practices when working with customers, using proper techniques for good customer relations.
7. Ability to complete the Maine State exam for Journeyman Oil Burner License.
8. Complete the Maine State exam for Appliance Service and Connection gas license.

Washington County Community College is an equal opportunity/affirmative action institution and employer. For more information; please call Tatiana Osmond, Affirmative Action Officer, at 454-1094

Turn up the heat on your future!
Train hands-on for a career in HVAC/R.
Scan the QR Code and apply at wccc.me.edu/apply.

Heating, Ventilation, and Air Conditioning Course Curriculum

Associate in Applied Science

64 Credit Hours

Course #	Certificate Option – Semester 1 & 2	Credits
	Semester 1	
DRG 124	Print Reading, Sketching and Intro to CAD	3
FYE 100	First Year Experience	1
ENG 101	College Composition	3
HVAC 100/HVAC 120	Heating Technology I / Refrigeration and Air Conditioning I	10
	Total	17
	Semester 2	
HVAC 105	Electricity in the HVAC Industry	3
HVAC110/HVAC 130	Heating Technology II / Refrigeration and Air Conditioning II	9
MATH 106	College Mathematics for Technologies	3
PSY 100	Introduction to Psychology	3
	Total	18
Course #	Required for Associate Degree Option	
	Semester 3	
ENGL 102/ COMM 107	Technical Writing/Speech	3
ELECTIVE	General Education Elective	3
HVAC 100/HVAC 120	Heating Technology I / Refrigeration and Air Conditioning I	10
	Total	16
	Semester 4	
PHY 120	Physics	4
HVAC 130/HVAC 130	Heating Technology II / Refrigeration and Air Conditioning II	9
	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 Ethan Hafford, ehafford@mainecc.edu or 207-454-1072