

# HEATING TECHNOLOGY

## PROGRAM DESCRIPTION

The **Heating Technology** program prepares the student with the skills and knowledge used for careers in the heating industry. Students learn how to assemble, maintain, and repair heating systems according to the code specifications of the National Fire Protection Association. The safe and efficient use of tools and materials is stressed as students work in a shop and at a one-week co-op with different types of heating systems. Instruction in the related skills of blueprint reading, mathematics, soldering, and electrical applications is included.

## Career OPPORTUNITIES

Upon successful completion of the program, graduates are eligible to take the **State of Maine journeyman oil burner license examination** and are qualified for employment with heating contractors, fuel oil companies, in maintenance positions, or as sales personnel. Additional experience may provide graduates with opportunities as managers, supervisors, or operators of their own business.

## PROGRAM OUTCOMES

1. Operate and maintain tools and test equipment.
2. Analyze and troubleshoot equipment.
3. Identify and adhere to propane industry standards, safety codes, and regulations.
4. Service and repair heating equipment.
5. Assemble, maintain, and repair heating systems according to code specifications of the National Fire Protection Association.
6. Safely and efficiently use tools and materials required for operation of heating systems.
7. Understand and apply knowledge of blueprint reading, mathematics, soldering, and electrical applications related to heating systems.
8. Demonstrate eligibility to take the State of Maine journeyman oil burner license examination.
9. Qualified for employment with heating contractors, fuel oil companies, in maintenance positions, or as sales personnel.



*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*



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# Heating Technology Course Curriculum

## Certificate

36 Credit Hours

| Course #          | Course Title   | Credits |
|-------------------|--|---------|
| <b>Semester 1</b> |  |         |
| ENG101            | College Composition                                  | 3       |
| FYE100            | First Year Experience                                | 1       |
| DRG 126           | Architectural Drafting and CAD                       | 3       |
| HTG 132           | Heating Technology I                                 | 12      |
| NGP 110           | Basic Principles & Practices for Propane/Natural Gas | 1       |
| Total             |  | 20      |
| <b>Semester 2</b> |  |         |
| HTG 123           | Electricity in the Oil Heat Industry                 | 3       |
| HTG 153           | Heating Technology II                                | 9       |
| HTG 125           | introduction to Air Conditioning                     | 1       |
| MAT 106           | College Mathematics for Technology                   | 3       |
| Total             |  | 16      |

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](http://www.FAFSA.Ed.Gov) School Code: 009231

Visiting the campus is easy. Contact the Office of Admissions at 207-454-1000 or [wccadmissions@maineccc.edu](mailto:wccadmissions@maineccc.edu) to schedule a time to visit!  
For more program specific information, please contact the program instructor Ethan Hafford, [ehafford@maineccc.edu](mailto:ehafford@maineccc.edu) or 207-454-1072