

## **Heating Technology**

*Certificate – 38 credit hours*

**Purpose:** 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/lab 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 Educational Outcomes:** Upon completion of the Heating Technology program, the graduate is prepared to:

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.

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<b>Course #</b>	<b>Course Description</b>	<b>Credits</b>
<b>Semester 1</b>		
DRG126	Architectural Drafting and CAD	3
ENG101	College Composition	3
FYE100	First Year Experience	1
HTG132	Heating Technology I	12
NGP110	Basic Principles and Practices for Propane/Natural Gas	1
	<b>Total</b>	<b>20</b>
<b>Semester 2</b>		
HTG123	Electricity in the Oil Heat Industry	3
HTG152	Heating Technology II	12
MAT106	College Mathematics for Technologies	3
	<b>Total</b>	<b>18</b>