

Plumbing Technology

Certificate – 36 credit hours

Purpose: The Plumbing Technology program prepares students to assemble, maintain, and repair plumbing systems in accordance with the Maine State plumbing code. Through classroom instruction, students learn design, layout, and installation theory. Working in a shop equipped with a complete house layout, students acquire the skills necessary to perform basic plumbing operations. Instruction includes related work in mathematics, soldering, water pumps, and electrical applications.

Career Opportunities: Upon completion of the program, graduates are eligible to take the State of Maine journeyman's plumbing examination. Upon passing the State examination, students are issued journeyman-in-training licenses. Upon accumulating an additional 2000 hours under the supervision of a journeyman or master plumber, the license is upgraded to that of a journeyman.

Graduates may find employment opportunities with plumbing contractors as construction plumbers, maintenance personnel, plumbing draftspersons, plumbing warehouse workers, and salespersons. Additional experience may provide opportunities as managers, supervisors, or operators of their own businesses.

Program Educational Outcomes: Upon completion of the Plumbing 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. Assemble, maintain, and repair plumbing systems in accordance with Maine State plumbing code.
5. Understand and apply knowledge regarding design, layout, and installation theory.
6. Demonstrate skills necessary to perform basic plumbing operations.
7. Understand and apply knowledge regarding mathematics, soldering, and water pumps, in connection with plumbing systems.

8. Understand and apply knowledge regarding electrical applications in connection with plumbing systems.
9. Demonstrate eligibility to take State of Maine journeyman's plumbing examination.
10. Qualify for employment with plumbing contractors, as construction plumbers, maintenance personnel, plumbing draftspersons, plumbing warehouse workers, and salespersons.

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Course #	Course Title	Credits
Semester 1		
DRG126	Architectural Drafting and CAD	3
ENG101	College Composition	3
FYE100	First Year Experience	1
PLU134	Plumbing Technology I	12
	Total	19
Semester 2		
MAT106	College Mathematics for Technologies	3
PLU155	Plumbing II	12
WEL109	Introductory Welding	2
	Total	17