

Plumbing, Certificate

School of Technology

Program Description

The Plumbing Certificate program provides students with an in-depth background of the plumbing industry. By combining theory and practical shop experiences, students will develop the skills needed for design, installation, maintenance, and troubleshooting plumbing systems for residential and commercial applications. The plumbing certification is designed to prepare students for entry-level positions in the plumbing field. Students learn the tools used in the industry, create a plumbing design to standards, and perform plumbing tasks to standard code. The skills to install and service plumbing hardware are stressed. Students will install and service water based heating and cooling systems, and residential and commercial water supply and waste systems. Successful completion of this program leads to the plumbing certification.

Career Opportunities

Plumbing program graduates can obtain jobs with the following titles: Sprinkler fitter, fitter, pipe fitter, steamfitter, plumbing apprentice, service plumber, and residential plumber.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Identify typical plumbing tools and power tools.
- Install fixtures and faucets, plastic pipe and fittings, drain, waste and vent systems.
- Install copper pipe and fittings, cast iron pipe and fittings.
- Install water heaters.
- Introduce fuel gas supply systems.
- Develop an understanding of the servicing of piping systems, sizing, fixtures and appliances.
- Develop the skills to install and service hydronic and geothermal systems.
- Develop blueprint reading and job estimating skills.

Sugg. Term	Seq #	Course ID	Course Title	Cr.	Prereq/Coreq(Co)	Options Available
Fall	1	PDV 101	First Year Seminar	1		
	2	PMB 101	Plumbing I	4		
	3	HAC 260	Hydronics	4		
	4	PMB 121	Estimating for the Plumber	2		
	5	HAC 105	Blueprint Reading for HVAC Technicians	2		
	6	PMB 200	Plumbing Code	3		

Minimum Program Credits

16

PLUMB