

Plumbing Apprentice

Apprenticeship Training

Learn to install and repair pipes for water, gas, sewage, and drainage systems, and to install and repair sanitary facilities. You'll test your installations to ensure compliance with plumbing code. Work can be indoors or outdoors on existing or new construction projects. Plumbers may work on a ladder/scaffold, in trenches and in various weather conditions. Work requires both stamina and physical strength, working in cramped or uncomfortable positions, and standing for long periods.

Apprentices who complete this apprenticeship have the opportunity to transfer course credits towards the Technical Studies – Journey Worker degree.

Program Outline

TERM 1		
Course #	Course Title	Credits
5042775100	Sanitary Drains 1 Plumbing related instruction of sanitary drain systems. Course includes a review of codes and trade practices related to sanitary drains, drainage systems, components, and applications.	2.00
5042775200	Vents and Venting Systems Designed to provide the apprentice with the skills to identify and design sanitary vent piping in a plumbing system in accordance with the Wisconsin Plumbing Code. Focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.	2.00
5042775300	Water Distribution 1 Provides the apprentice with the skills to identify, design, install, and service various applications for water supply systems listed in plumbing codes. Apprentices will use the code language and tables to in various plumbing systems in accordance with the Wisconsin Plumbing Code. Topics will include commercial to single-family and private well pump systems. Focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.	2.00
5042775400	Water Distribution 2 Provides the apprentice with the skills to identify, design, install, and service cross connection controls, water treatment equipment and multi-purpose piping systems in various plumbing systems in accordance with the Wisconsin Plumbing Code. Focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.	2.00
5042775500	Sanitary Drains 2 Provides the apprentice with the skills to identify, design, install, and service various applications for storm water, clear water, and drainage systems. Apprentices will use the code language and tables to in various plumbing systems in accordance with the Wisconsin Plumbing Code. The course focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.	2.00

Course #	Course Title	Credits
5042775600	Private Onsite Wastewater Treatment Sys Provides the apprentice with the skills to identify, design, install, and service various applications for private on-site wastewater treatment systems that are listed in plumbing codes or individual component manuals. Apprentices will use the code language and tables to in various plumbing systems in accordance with the Wisconsin Plumbing Code. Other topics will include pretreatment, soil evaluation, site planning, and new technologies. Focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.	2.00
5042775700	Green Plumbing Applications Provides Plumbing apprentices with an introduction to green applications and prepares students to take certification exams: Union Programs: UA Green Awareness Certification (geared toward journey workers, not apprenticeship) WTCS Programs: Green Plumbers USA Certification Program Learning materials from both certificate programs have been incorporated.	2.00
5042775800	Plumbing Advanced Topics TSA Provides the apprentice with the opportunity to select and complete an applied plumbing project in collaboration with the instructor. Projects will apply the skills required to identify, design, install, and service various plumbing applications that are listed in plumbing codes. Apprentices will use the code language and tables to in various plumbing systems in accordance with the Wisconsin Plumbing Code. The course builds upon the theory, work experience, and the application of plumbing code principles addressed in previous coursework to support completing an applied hands-on project.	2.00

Total Credits: 16.00

Talk with a Success Coach about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

At A Glance

How You'll Learn

Program Tuition*

\$2,540

Books & Supplies*

\$550

*Total cost for degree completion is estimated by current course requirements, books, and supplies. Tuition and fees are set by the Wisconsin Technical College System and subject to change.

What You'll Learn

- Apply state plumbing code requirements to: the installation and repair of venting systems, water supply systems, storm drain systems, and POWTS systems.
- Refer to the Wisconsin Administrative Plumbing codes.
- Prepare for journey level licensure examination.

Your Potential Careers

- Journeyman Plumber

Median Annual Salary

\$52,765	\$59,664	\$49,469
Local	State	National

EMSI 2022.1

Become An Apprentice

Learn the steps to take to become an apprentice.

[GET STARTED](#)