

Program Number 50-427-5

5-Year Contract

Work Hours (including related instruction): 8000

Related Instruction Hours: 572 • Night School Hours: 260

ABOUT APPRENTICESHIP

Apprenticeships are employer-sponsored training programs. You must have a contract before being invited to school. A special application process is used for these programs. Please contact the Apprenticeship Office for the proper forms. Apprenticeship means you earn while you learn. If you want a career in a skilled trade, apprenticeship is the best way to get there. You'll combine on-the-job training with on-campus learning—you'll have the best of both worlds when it comes to learning the skills you need to get ahead. And even better, you'll earn a paycheck while you learn those skills.

ABOUT THE CAREER

Imagine a home or business without a plumbing system—drinking a cool glass of water, cooking, and showering would be an inconvenience at best. Plumbing systems and those who install, repair, and maintain them are critical to the building process. The Plumbing Apprenticeship program is an employer-sponsored, hands-on training program under the direction of a master plumber. If you're looking for a specialized career that's always in demand, becoming a journey-level plumber is an excellent choice.

CAREERS

Graduates of LTC's Plumbing Apprenticeship program are required to take and pass the journey-level license exam provided by the Department of Commerce before working as journey-level or master plumbers in a variety of residential or commercial settings.

CONSTRUCTION APPRENTICE APPLICATION REQUIREMENTS

- Apprentice Application
- Proof of Age
- Accuplacer Entrance Assessment
- High School Transcripts or Equivalent
- Advisory Committee Interview

PROGRAM OUTCOMES

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

APPROXIMATE COSTS

Contact the LTC Apprenticeship Office or visit www.gotoltc.edu/apprenticeship for detailed information.

MINIMUM PLACEMENT SCORES

Accuplacer: Arithmetic-237, Reading-239, QAS-216

ACT: Mathematics-15, Reading-16

SPECIAL NOTE

Upon completion of the apprentice application requirements, you'll be issued a Letter of Introduction, which states your requirements have been met. You'll use this Letter of Introduction to apply for work in the trade. You must have a sponsoring employer before receiving a contract and being invited to school. Apprentices registered by the Lake to Lake Plumbing Committee will attend paid-related instruction at Fox Valley Technical College.

CAREER & EDUCATION ADVANCEMENT OPPORTUNITIES

LTC credits transfer to over 30 universities. For more information visit gotoltc.edu/future-students/transfer.

Catalog No.	Class Title	Credit(s)
Term 1		
50427751	Sanitary Drains 1	2 2
Term 2		
50427752	Vents and Venting Systems	2 2
Term 3		
50427753	Water Distribution 1	2 2
Term 4		
50427754	Water Distribution 2	2 2
Term 5		
50427755	Sanitary Drains 2	2 2
Term 6		
50427756	Private Onsite Wastewater Treatment Systems (POWTS)	2 2
Term 7		
50427757	Green Plumbing Applications	2 2
Term 8		
50427758	Plumbing Advanced Topics	2 2

TOTAL 16

Curriculum and Program Acceptance requirements are subject to change. Program start dates vary; check with the Apprenticeship Office for details. The tuition and fees are approximate based on 2019-2020 rates and are subject to change prior to the start of the academic year.



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 into the development of this course as appropriate. CONDITION: 504275 Plumbing Apprentice requirements met

PLUMBING ADVANCED TOPICS...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 in accordance with the Wisconsin Plumbing Code. This course builds upon the theory, work experience, and the application of plumbing code principles. CONDITION: 504275 Plumbing Apprentice requirements met

PRIVATE ONSITE WASTEWATER TREATMENT SYSTEM...provides the apprentice with the skills to identify, design, install, and service various applications for private onsite wastewater treatment systems that are listed in plumbing codes or individual component manuals. Apprentices will use the code language and tables in various plumbing systems in accordance with the Wisconsin Plumbing Code. Other topics include pretreatment, soil evaluation, site planning, and new technologies. CONDITION: 504275 Plumbing Apprentice requirements met

SANITARY DRAINS 1...provides plumbing-related instruction of sanitary drain systems. Course includes a review of codes and trade practices related to sanitary drains and drainage. CONDITION: 504275 Plumbing Apprentice requirements met

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 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. CONDITION: 504275 Plumbing Apprentice requirements met

VENTS AND VENTING SYSTEMS...is 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. This course focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations. CONDITION: 504275 Plumbing Apprentice reqs met

WATER DISTRIBUTION 1...provides the apprentice with the skills to identify, design, install and service various applications for water supply systems that are listed in plumbing codes. Apprentices will use the code language and tables in various plumbing systems in accordance with the Wisconsin Plumbing Code. Course topics include commercial to single family and private well pump systems. The course focuses on theory, work experience, and the application of plumbing code principles through discussion. CONDITION: 504275 Plumbing Apprentice requirements met

WATER DISTRIBUTION 2...provides the apprentice with the skills to identify, design, install and service cross-connection controls, water treatment equipment, and multipurpose piping 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. CONDITION: 504275 Plumbing Apprentice requirements met