

PLUMBING (427)

427-309. Plumbing Basic Theory 1. (2 Credits)

Students will learn fundamentals of plumbing systems. After learning theories of plumbing systems in the classroom, students will learn installation procedures in plumbing lab using hand and power tools. Students will learn safe operation of hand and power tools.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=309>)

427-310. Plumbing Basic Theory 2. (2 Credits)

427-497. Prep Course Wisc Plumbing. (5.4 Credits)

Plumbing applicants must take this 54-hour review course, or pass 47-427-499 Test Out option prior to taking State licensing exam.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=497>)

427-498. Basic Plumbing. (0.4 Credits)

Learn the basics of plumbing installation, materials and codes.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=498>)

427-512. Blueprint Reading for Plumbers. (1 Credit)

Develop the abilities needed as a plumbing apprentice to interpret trade blueprints and to plan the installation of required plumbing. Learn to interpret blueprint features, interpret specifications, read blueprints for the purpose of layout work, list material from print, and coordinate the installation of piping with other trades. Practice reading blueprints by working with an actual set of prints.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=512>)

427-521. Isometric Drawing for Plumbing. (1 Credit)

Learn drafting symbols and skills that will allow communication within the plumbing trade. Apply the Wisconsin state code to these drawings during this course, which was developed for the ABC indentured plumbing apprentice to fulfill unpaid evening related-instruction requirements.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=521>)

427-523. Plumbing Repair. (1.25 Credits)

Practice making repairs to various plumbing devices and equipment while fulfilling the ABC indentured plumbing apprentice unpaid evening related-instruction requirement.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=523>)

427-524. Plumbing Applications. (1 Credit)

Study topics of instruction developed by a state committee made up of employers, employees, and educators to allow the ABC indentured plumbing apprentice to fulfill unpaid evening related instruction requirements.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=524>)

427-540. Transit/Level for Apprentices. (0.5 Credits)

Develop an understanding of a transit level, the recording of leveling notes, the use of information on a plan to layout work on the job, and related math procedures. Fulfill the ABC indentured plumbing apprentice unpaid related instruction requirements during this evening course.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=540>)

427-597. Plumbing 54 Hour Review. (1.5 Credits)

Plumbing applicants must take this 54-hour review course or pass the 47-427-499 test-out option prior to taking the state licensing exam.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=597>)

427-722. State Apprvd Plumbing Drawings. (1 Credit)

The plumbing plan review for a public building or place of employment is generally based on a minimum of 16 fixtures, which include water heaters, storm inlets, hose bibs and floor drains, or relates to health care facilities, or specific installations as identified in SPS Tables 382.20-1 and -2. This may include additions or alterations. Interior and exterior building water distribution and sanitary drain and vent systems may be reviewed together or separately. Storm water and clearwater systems may be part of the review. In this class, learn to schedule for a state approvals, submit a state approval and receive the approved plan. Gain practice drawing raw floor plans, isometric perspectives and plumbing details relative to state approvals.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=722>)

427-751. Sanitary Drains 1. (2 Credits)

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.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=751>)

427-752. Vents and Venting Systems. (2 Credits)

This course 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. The course focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=752>)

427-753. Water Distribution 1. (2 Credits)

This course 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 will 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 discussions, drawing exercises, work sheets, and evaluations.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=753>)

427-754. Water Distribution 2. (2 Credits)

This course 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. The course focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=754>)

427-755. Sanitary Drains 2. (2 Credits)

This course 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.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=755>)

427-756. Priv Site Wastewater (POWTS). (2 Credits)

This course 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 will include pretreatment, soil evaluation, site planning and new technologies. The course focuses on theory, work experience, and the application of plumbing code principles through discussions, drawing exercises, work sheets, and evaluations.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=756>)

427-757. Green Plumbing Applications. (2 Credits)

This course provides plumbing apprentices with an introduction to green applications. Apprentices will be instructed on how to identify, install and maintain a variety of green products and systems. They will apply the Wisconsin Plumbing Code to various installations. This introduction will give an apprentice the basic knowledge to study for a variety of green certifications.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=757>)

427-758. Plumbing Advanced Topics/TSA. (2 Credits)

This course 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 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.

Prerequisites: 427-757 with a minimum grade of C or 427-507 with a minimum grade of C

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=427&num=758>)