

Plumbing Trade Courses: Part 1

Introduction to Plumbing Pipe Trades

Course Code: 8876 (20S)

This course introduces you to the program curriculum, and future employers' expectations in terms of punctuality, honesty, working habits, and compatibility with fellow employees. As well, you will get an overview of the following: tools of the trade along with the general purpose and care and maintenance of each tool, materials used in the trade along with the general uses and handling and storage of each type of material, safety precautions observed when working with tools and materials, and shop duties and clean-up rules.

Introduction to Piping Systems and Theories

Course Code: 8877 (30S)

This course introduces you to common piping materials and their correct uses, methods of assembling, supporting, handling, and storing, and the types of tools used with each. Students will also learn how each type of piping is to be joined, supported, and tested. Types of piping includes, but is not limited to, cast iron, black iron, galvanized iron, copper, lead, plastic, and glass.

Installation of Plumbing and Piping Systems 1

Course Code: 8878 (30S)

Interpretation of plumbing code, sizing of sewers, drains, stacks, vents, etc., drawing layouts, and constructing actual installations from layouts and blueprints.

Installation of Plumbing and Piping Systems 2

Course Code: 8879 (30S)

Students will identify the hazards and safety associated with glass piping. Students will also identify the proper handling of glass pipes, as well as demonstrate how to measure and cut glass pipe. Additionally, students will demonstrate and work with fuel cutting equipment.

Plumbing Trade: Part 2

Sanitary Venting Systems

Course Code: 8981 (40S)

Students will have the opportunity to design and size vent systems according to local code. Identify the hangers and supports use to install DWV and water supply systems and explain their applications. Install a venting system using correct slope or grade. Identify the significant code and health issues, violations and consequences related to DWV systems. Demonstrate the ability to test a DWV system and document the test procedure.

Sanitary Drainage Systems

Course Code 8982 (40S)

Students will use approved submittal data, floor plans and architectural details to lay out fixture rough ins, to develop estimates and to establish general fixture locations, and Explain sizing of building drains, sewers and storm drainage systems.

Water Supply Systems

Course Code: 8984 (40S)

Students will learn to use plans and fixture rough in sheets to determine the placement of fixtures and the route of water supply piping. Students will also demonstrate how to install a water distribution system using appropriate hangers. Students will learn how to install: bath tubs, shower stalls, valves, faucets, water closets, urinals, lavatories, sinks and drains.

Applied Plumbing and Piping Systems

Course Code: 8985 (40S)

In this course students Apply knowledge and skills related to the piping trade that may include, fabricating, installing, and laying piping systems. Students will apply the knowledge and skills from mathematics in the layout, joining, and fabrication of plumbing systems.