
SECTION HEADING

PLMB 1101: Introduction to Plumbing

Description

Introduction to Plumbing Introduces students to the tools and equipment of the plumbing trade, the necessity of safety in the workplace and methods described in the Minnesota Plumbing Code. Students will study plastic piping. Plastic piping will involve the joining of drainage, waste and vent, water supply and distribution lines. Students will become familiar with the different types of copper pipe, fittings and tubing. PEX water and heating distribution piping will be discussed and utilized. Students will also explore water pumps.

Credits

3

Prerequisite

None

Corequisite

None

Topics to be Covered

1. History plumbing and heating profession
2. Shop safety and Personal Protective Equipment use
3. Types and appropriate pipe types, metal and plastic
4. Use of hand, power cutting, measuring and pipe assembly tools
5. Joining pipe and pipe fittings

Learning Outcomes

1. Execute safe operating procedures of machines used in industry.
2. Discuss the history of plumbing profession.
3. Articulate safe working techniques and procedures.
4. Identify use and care of Personal Protective Equipment (PPE)
5. Identify types and sizes of copper pipe and fittings
6. Operate hand and power cutting and cleaning tools.
7. Join copper lines and fittings using proper tools and assembly techniques.
8. Identify plastic drain, waste and vent (DWV) and water supply pipe and fittings.
9. Join plastic pipe and fittings using proper tools and assembly techniques.

Credit Details

Lecture: 2

Lab: 1

OJT: 0

MnTC Goal Area(s): None