

PLU 105 - PLUMBING COMPONENTS

Course Description

Through structured classroom and hands-on skill building, the student will learn to work with copper pipe and fittings, cast-iron pipe and fittings, carbon steel pipe and fittings, corrugated stainless steel tubing, fixtures and faucets, drain waste and vent systems and water distribution systems. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

PLU 101

Course Learning Outcomes

Knowledge:

- Identify various pipe materials and fittings.
- Explain drain waste.
- Identify various vent systems.
- Identify water distribution systems.

Application:

- Perform different types of pipe and associated fittings; specifically thread, cut and solder.
- Install fixtures and faucets.
- Research Drain waste, Vent, and Water Distribution systems.

Integration:

- Recognize the relationship between tardiness, attendance and work ethic.
- Compare and contrast specific piping techniques and their applications in a home.
- Measure how movement of water around a home requires air in specific locations.

Human Dimension:

- Identify how every job has its important aspects and our society relies upon a proper plumbing system.

Caring - Civic Learning:

- Assess the proper installation of a plumbing system.
- Recognize the complexity involved in the plumbing career field.

Learning How to Learn:

- Identify the variety of applications available to those in the plumbing industry.