

# PLU 105 - PLUMBING COMPONENTS

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## 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.