

PLU 101 - INTRODUCTION TO PLUMBING

Course Description

This course provides an introduction to plumbing. Through structured classroom and hands-on skill building, the student will learn the tools of the trade, plumbing safety, how to solder and braze copper tubing, piping skills and trade mathematics. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

CMT 100, may be taken concurrently

Recommended Prerequisites or Skills Competencies

Placement into MTH 100 and ENG 11/111 or co-enrollment in the recommended developmental Math and English course

Course Learning Outcomes

Knowledge:

- Explain construction safety.
- Describe basic brazing and soldering techniques.
- Identify plumbing tools.

Application:

- Demonstrate how to safely use hand tools.
- Apply safety procedures on a jobsite.
- Perform basic brazing and soldering on copper tubing.

Integration:

- Distinguish the relationship between attendance and tardiness to a job.
- Relate the consequences for not observing safety.

Human Dimension:

- Recognize how your decisions will affect others.
- Reflect on the effects of work ethic.

Caring - Civic Learning:

- Recognize the variety of job opportunities as a plumber.
- Recognize the need for water purity in the plumbing industry.

Learning How to Learn:

- Apply course concepts to real life situations.