PLU 121 - COMMERCIAL **PLUMBING**

Course Description

Through structured classroom and hands-on skill building, the student will learn to read commercial drawings, install hangers, supports, structural penetrations, and fire stopping, installation and testing DWV piping. Group 2 course.

Credit Hours

Contact Hours

Lecture Hours

Lab Hours

Required Prerequisites

Course Learning Outcomes

Knowledge:

- · Identify the use of hangars and supports.
- · Describe how to create penetrations.
- · Explain proper fire stopping procedures.
- · Demonstrate familiarization of installation and testing of DWV piping.

Application:

- · Evaluate symbols and measurements on Blueprints.
- · Design proper support and hangar arrangements for piping.
- Identify proper structural penetration and fire stopping techniques and applications.
- · Perform proper installation and testing of DWV piping.

Integration:

- · Discuss the value of accurate blueprint reading.
- · Compare and contrast different real world application of hangars and supports for piping.
- · Relate application of codes pertaining to structural penetrations and fire stopping.
- · Distinguish consequences and benefits of proper installation and testing of DWV piping.

· Conclude the value of blueprint reading will establish accurate and complete job preparation and completion.

Caring - Civic Learning:

· Evaluate how proper safety techniques can save lives and property.

Learning How to Learn:

Reflect on the wide range of commercial applications for plumbing.