

# PLU 121 - COMMERCIAL PLUMBING

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## 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

3

## Contact Hours

4

## Lecture Hours

2

## Lab Hours

2

## Required Prerequisites

PLU 105

## Course Learning Outcomes

### Knowledge:

- Identify the use of hangers 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 hanger 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 hangers 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.

### Human Dimension:

- 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.