
SECTION HEADING

PLMB 1152: Plumbing Essentials

Description

Plumbing Essentials expands on PLMB 1101 for more complex construction systems for residential and light commercial structures. Installation, service and repair of common fixtures, faucets, water treatment, water heaters installation will be included in lab activities. Students will be provided more complex projects and develop solutions to complete system installations, various piping installations applying code requirements.

Credits

4

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Proper assembly techniques for PVC and PEX piping
2. Proper use of hand tools and assembly specialty tools
3. Application of Minnesota State Code for design and installation of DWV
4. Proper use of measuring tools and techniques
5. Water quality testing, water system analysis
6. Proper tool maintenance, appearance, clean work space, customer service

Learning Outcomes

1. Identify and comprehend materials and methods of hanger installation.
2. Install DWV piping in structures.
3. Install water piping in structures.
4. Apply safety procedures and techniques.
5. Interpret code to assure installation compliance.
6. Utilize tools in safe and effective manner.
7. Select appropriate fixtures for customer expectations.
8. Install fixtures per manufacturers standards.
9. Test systems per code requirements.
10. Demonstrate safety practices in shop and job site and personal protective equipment.
11. Solve practical mathematical calculations.

Credit Details

Lecture: 1

Lab: 3

OJT: 0

MnTC Goal Area(s): None