

LTAP 140 : Plumbing Systems and Materials

Credits 10

This course will provide students with a solid foundation in plumbing systems and the materials used for each system. Topics include material identification, piping systems, proper lifting techniques and skills assessment testing.

Course Outcomes

Identify materials by type and usage.

Describe types and components of mechanical systems highlighting their differences.

Describe types of piping systems, differences with each system and materials used in each system.

Demonstrate proper lifting and setting of varying lengths of pipe in above head hangers.

Demonstrate successful completion of skills assessments:

- Tape measure

- Proper lifting and setting of lengths of pipe in above-head hangers

- Sorting fittings

- Climbing ladders

- Lifting and carrying pipe weighing over 50 lbs

- Measuring and cutting of materials with a focus on fundamentals