

YORK TECHNICAL COLLEGE

TECHNICAL STANDARDS FOR RESIDENTIAL/COMMERCIAL PLUMBING RELATED PROGRAMS ESSENTIAL FUNCTIONS OF A RESIDENTIAL/COMMERCIAL PLUMBING TECHNICIAN:

PHYSICAL ATTRIBUTES:

1. Possess light to medium physical strength.
2. Be able to climb, work at heights from ladders and scaffolds, and maintain body balance.
3. Maintain good vision, either naturally or with correction.
4. Reach for, handle, and grasp fittings, pipe and hand tools.
5. Bend, crouch, and work in small, confined areas.
6. Work overhead.
7. Lift and carry objects weighing up to fifty (50) pounds.
8. Be able to stand, squat, and stretch for long periods of time.
9. Be able to work in awkward positions.
10. Work thirty-five (35) to forty (40) hours per week.
11. Be able to use various types of hand tools and test equipment.
12. Be able to wear and work in gloves, hard hats, safety glasses, and steel-toed boots.
13. Be able to work indoors and outdoors in all types of weather and temperatures.

MENTAL ATTRIBUTES:

1. Use logical, step-by-step procedures.
2. Perform arithmetic operations quickly and accurately.
3. Understand and apply principles of basic hydraulics and plumbing codes.
4. Read blueprints and visualize objects in three-dimensions.
5. Make decisions based on personal judgment and/or verifiable criteria.
6. Stay focused on the task at hand.
7. Have a good memory.

JOB DUTIES:

1. Plan installations.
2. Read, interpret, and follow specifications and local plumbing codes.
3. Prepare sketches showing the location of plumbing and equipment.
4. Install DWV and supply piping, plumbing fixtures and devices, etc.
5. Make water-tight connections with various piping materials.
6. Troubleshoot and repair defective fixtures and appliances.
7. Refer to and use plumbing diagrams and service manuals.
8. Operate the following types of test equipment:
 - a. Ammeters
 - b. Voltmeters
 - c. Ohmmeters
 - d. Pressure gauges
 - e. Etc.
9. Be able to use the following hand and power tools:
 - a. Screwdrivers
 - b. Pliers
 - c. Tape measures
 - d. Pipe wrenches and cutters
 - e. Hammer
 - f. Chisel
 - g. Tap and Die Set
 - h. Various soldering and brazing torches
 - i. Pipe Threader
 - j. Hand Drill
 - k. Hack Saw
 - l. Circular Saw
 - m. Etc.

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007, located in the Student Services Building within the Counseling and Support Services Area. The SRO coordinates reasonable accommodations for students who self-identify their documented disability.