



Applied Engineering & Technologies Division

Technical Standards for Plumbing

A student wishing to enroll in the Plumbing curriculums must meet the following standards:

They must:

- Reach, manipulate, and operate equipment necessary for laboratory work
- Not have a debilitating fear of small spaces or heights
- Make accurate measurements with test equipment and/or measuring instruments
- Troubleshoot projects, components, and equipment to include detecting and evaluating slight differences in color, distance, smell, vibration, sound, and movement
- Repair and/or replace defective components
- Communicate with others in English to accurately gather information relevant to defects in equipment, components, and/or products
- Be able to interpret and work from blueprints, schematics, or sketches
- Be able to identify wire, components, and supplies by color code
- Be able to lift and/or carry a 40-60 pound object, as well as to carry the object to the top of a ladder
- Be able to test, install, and/or repair items located at the ceiling of a room or on top of a building
- Must be able to understand orders, instructions, and descriptions as well as be able to read and comprehend technical manuals, manufacturer's instructions, and warning labels in English
- A student must not be allergic to petroleum products or any other chemical used in the program
- Be able to hand dig a ditch up to 2' in depth, and maintain a given slope
- Must not have a fear of fire or sparks
- Must be able to work with hands
- Must not have a fear of getting clothes or hands dirty
- Must be able to locate and interpret NC General Statutes, city codes, department rules, and regulations
- Be able to wear hard hats, safety glasses, steel toe shoes, and other safety related equipment as required by the Industry

The plumbing trade is one with many inherent risks and safety of the employee (student) is of the utmost concern and cannot and should not be compromised just because an individual *wants* to go into the trade.