



Applied Engineering & Technologies Division

Technical Standards for Welding Technology

A student wishing to enroll in the Welding Technology curriculum must meet the following standards:

They must:

- Reach, manipulate, and operate equipment necessary for laboratory work
- Must not have a debilitating fear of small spaces or heights
- Make accurate measurements with test equipment and/or measuring instruments
- Repair and/or replace defective components
- Communicate with others to accurately gather information relevant to
 - Defects in equipment, components and/or products
 - Locations
- Be able to interpret and work from blueprints and understand welding symbols correctly
- Be able to climb ladders up to 35' in length while carrying tools and equipment
- Be able to lift objects weighing up to 50 lbs. and install equipment overhead
- Must be able to understand orders, instructions, descriptions; able to read and comprehend technical manuals
- Be able to wear hard hats, safety glasses, steel toe shoes and other safety related equipment as required by the Industry
- Must not have a fear of fire or welding sparks
- Must be able to work with hands
- Must not have a fear of getting clothes or hands dirty
- Must be able to locate, interpret and apply the rules of the American Welding Society and the American Society of Mechanical Engineering welding codes
- Must be able to identify welding electrodes, filler wire, and supplies by welding code

The welding 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.