

Welding

Technical Standards

for Wake Technical Community College Programs
at Vernon Malone College and Career Academy

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

- 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
- Repair and/or replace defective components
- Communicate with others to accurately gather information relevant to defects in equipment, components and/or products, as well as locations
- Be able to interpret and work from blueprints and understand welding symbols correctly
- Be able to climb ladders up to 35 feet in length while carrying tools and equipment
- Be able to lift objects weighing up to 50 pounds and install equipment overhead
- Be able to understand orders, instructions and descriptions and be 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
- Not have a fear of fire or welding sparks
- Be able to work with hands
- Not have a fear of getting clothes or hands dirty
- Be able to locate, interpret and apply the rules of the American Welding Society and the American Society of Mechanical Engineering welding codes
- 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.