Welding Technology

The **Welding Technology** program technical standards have been developed to inform students of the nonacademic essential functions of the program and profession. Examples are not all inclusive.

| **Standard** | **Essential Function** | **Examples** |
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| **Communication****Oral / Written** | * Skills sufficient to communicate information and ideas so others will understand
 | * Communicate with coworkers and customers
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| **Mobility / Motor Skills** | * Motor skills sufficient to move the hands and use hands to grasp or manipulate objects
* Mobility sufficient to perform physical activities that require considerable use of arms and legs and moving the whole body
* Ability to work in varied spaces
 | * Use hand tools
* Perform tasks in multiple positions (flat, horizontal, vertical, and overhead) at floor level and at heights over six feet
* Work in confined spaces
* Physical activities may include:
	+ Stooping
	+ Reaching
	+ Squatting
	+ Lifting
	+ Bending
 |
| **Physical Strength and Stamina** | * Ability sufficient to lift and carry
 | * Lift steel plates, parts, fixtures, etc.
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| **Sensory*** **Sight**
* **Sound**
* **Taste**
* **Touch**
* **Smell**
 | * Visual skills sufficient to see details at close range
* Ability to take precise measurements
* Ability to visualize two- and three-dimensional objects and spaces
* Ability to distinguish colors, shades, and textures
* Visual skills to inspect or assess for safety
 | * Understand and interpret information from books, handouts, diagrams, charts, and tables
* Read a tape measure
* View blueprints and sketches
* Inspect an area or piece of equipment for potential failures or safety issues
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| **Environmental / Occupational Exposure** | * Possible exposure to extreme noise levels
* Possible exposure to extreme weather
* Possible exposure to dust, chemicals, and fumes
* Ability to tolerate variations in lighting
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| **Field or Industry Professional Standards** | * Ability to wear safety equipment
 | * Wear safety glasses
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