

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
Communication Oral / Written	<ul style="list-style-type: none"> Skills sufficient to communicate information and ideas so others will understand 	<ul style="list-style-type: none"> Communicate with coworkers and customers
Mobility / Motor Skills	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Stooping Reaching Squatting Lifting Bending
Physical Strength and Stamina	<ul style="list-style-type: none"> Ability sufficient to lift and carry 	<ul style="list-style-type: none"> Lift steel plates, parts, fixtures, etc.
Sensory <ul style="list-style-type: none"> Sight Sound Taste Touch Smell 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • Possible exposure to extreme noise levels • Possible exposure to extreme weather • Possible exposure to dust, chemicals, and fumes • Ability to tolerate variations in lighting 	<ul style="list-style-type: none"> •
Field or Industry Professional Standards	<ul style="list-style-type: none"> • Ability to wear safety equipment 	<ul style="list-style-type: none"> • Wear safety glasses