

The **Heating Ventilation & Airconditioning** 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
<b>Communication Oral / Written</b>	<ul style="list-style-type: none"> <li>• Skills sufficient to communicate information and ideas so others will understand</li> </ul>	<ul style="list-style-type: none"> <li>• Communicate with coworkers and customers</li> <li>• Be able to clearly and effectively communicate with others, at moderate distances and without line of sight.</li> <li>• Be able to understand orders, instructions and descriptions and be able to read and comprehend technical manuals, manufacturer’s specifications and instructions, and warning labels in English.</li> </ul>
<b>Mobility / Motor Skills</b>	<ul style="list-style-type: none"> <li>• Motor skills sufficient to move the hands and use hands to grasp or manipulate objects</li> <li>• Ability to safely move around the jobsite, which includes crawling into tight spaces, confined spaces, climbing and working on a ladder and working at various heights</li> <li>• Ability to work in varied spaces</li> <li>• Be able to effectively use a computer with a manual keyboard, mouse, and viewing a monitor / screen</li> </ul>	<ul style="list-style-type: none"> <li>• Use hand tools and power tools</li> <li>• Physical activities may include:               <ul style="list-style-type: none"> <li>• Stooping</li> <li>• Crawling</li> <li>• Reaching</li> <li>• Squatting</li> <li>• Lifting</li> <li>• Bending</li> <li>• Balancing</li> <li>• Climbing</li> </ul> </li> <li>• Work spaces may include extreme heights, crawlspaces, or confined spaces</li> </ul>
<b>Physical Strength and Stamina</b>	<ul style="list-style-type: none"> <li>• Ability to participate in an activity for long periods of time</li> </ul>	<ul style="list-style-type: none"> <li>• Participate in project-related activity for up to six continuous hours</li> </ul>

Standard	Essential Function	Examples
	<ul style="list-style-type: none"> <li>Ability sufficient to lift and carry at least 60 pounds</li> </ul>	<ul style="list-style-type: none"> <li>Be able to reach, manipulate, and operate equipment necessary for laboratory work.</li> </ul>
<p><b>Sensory</b></p> <ul style="list-style-type: none"> <li><b>Sight</b></li> <li><b>Sound</b></li> <li><b>Taste</b></li> <li><b>Touch</b></li> <li><b>Smell</b></li> </ul>	<ul style="list-style-type: none"> <li>Visual skills sufficient to see details at close range</li> <li>Be able to distinguish between tones of various pitches and differentiate between the primary colors</li> <li>Visual skills to inspect or assess for safety</li> <li>Listening skills sufficient to communicate with others</li> </ul>	<ul style="list-style-type: none"> <li>Have good peripheral vision and depth perception.</li> <li>Have sufficient visual capacity to read blueprints, sketches, schematic diagrams and other printed documents including but not limited to tape measures, architect and engineer scales, meters and testers.</li> <li>Hear others inside of an industrial shop or in the field by voice, loud speaker, phone, and/or two-way radio</li> </ul>
<p><b>Environmental / Occupational Exposure</b></p>	<ul style="list-style-type: none"> <li>Possible exposure to extreme noise levels</li> <li>Possible exposure to extreme weather</li> <li>Possible exposure to dust, chemicals, and fumes</li> <li>Must not have a debilitating fear of insects, spiders, snakes or lizards.</li> </ul>	<ul style="list-style-type: none"> <li>Work outdoors</li> <li>Work with construction materials and tools</li> <li>Work with various chemicals including but not limited to; acids, acid-like chemicals, solvents, glues, cleaners, oils and refrigerants.</li> </ul>
<p><b>Field or Industry Professional Standards</b></p>	<ul style="list-style-type: none"> <li>Safely operate tools and equipment</li> <li>Wear safety equipment</li> <li>Must be able to wear a tool pouch for up to 10 hours per day.</li> </ul>	<ul style="list-style-type: none"> <li>PPE includes but not limited to safety glasses, closed-toe shoes, hard-hats, safety harnesses, and fall protection gear.</li> </ul>