

HEATING, AIR CONDITIONING, & REFRIGERATION TECHNOLOGY

TECHNICAL STANDARDS AND ESSENTIAL FUNCTIONS

South Plains College's **Heating, Air Conditioning, and Refrigeration Technology** program has established technical standards and essential functions for the program. The ability to meet these standards and essential functions, with or without reasonable accommodations, is required in order to satisfactorily complete the program.

The college does not discriminate in admission or access to programs on the basis of any characteristic protected by law, including disability. Persons with disabilities are eligible for admission, as long as they can carry out classroom and laboratory assignments; pass written, oral and practical examinations; and meet all of the requirements of the program and generally accepted requirements of the profession, with or without reasonable accommodations.

Disability & Accommodations Services: If you have a disability or acquire one, you may be entitled to receive support services and/or accommodations intended to assure you an equal opportunity to participate in, and benefit from, the program. Reasonable accommodations for students with disability related needs will be determined on an individual basis taking into consideration the technical standards and essential skills which must be performed to meet the program objectives. To receive more information or to apply for services, please contact the Student Disability Services 806-716-4675 (Reese/ATC/Plainview) or 806-716-2577 (Levelland).

Requirements	Standards	Examples
Critical Thinking	<p>The ability to understand course materials and maintain a certain grade/performance level that meets the set academic requirements.</p> <p>Problem Sensitivity-</p> <p>Visualization-</p> <p>Inductive Reasoning-</p> <p>Deductive Reasoning-</p>	<p>Demonstrate judgement and decision making as required to organize various tasks and complete assignments and projects.</p> <p>Noticing when problems happen.</p> <p>Imagining how something will look after it is moved around or changed.</p> <p>Making general rules or coming up with answers from lots of detailed information.</p> <p>Using rules to solve problems.</p>
Communication	<p>The ability to listen, understand, and communicate ideas presented through spoken words and sentences.</p>	<p>Use oral expression, reading and writing comprehension to verify the information was received. Present ideas both verbally and in written format.</p>
Mobility	<p>The ability to flex to bend, stretch, twist, or reach with your body, arms, and/or legs.</p> <p>Finger Dexterity –</p>	<p>Work in confined spaces such as attics, small closets, etc.</p> <p>Putting together small parts with your fingers.</p>
Motor Skills (Tactile)	<p>The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate or assemble objects.</p>	<p>Install, repair and troubleshoot refrigeration & heating units, heat pumps and electric motors. Work with electrical circuits.</p>
Hearing	<p>The ability to hear and detect potentially hazardous industrial equipment.</p>	<p>Hear and detect industrial equipment problems, overloading, and/or failures.</p>
Visual	<p>The ability to see detail at close range (within a few feet of the observer).</p> <p>Operation Monitoring</p>	<p>Visual acuity to see moving parts, solder, braze and work with electrical circuits.</p> <p>Watch gauges, dials, meters, or other indicators to make sure a machine is working properly.</p>

Safety	The ability to follow and implement safety practices in the classroom.	The Heating, A/C, and Refrigeration Technology program prepares students in an occupation where industrial safety is a critical competency and will require all students to successfully complete a program specific safety examination prior to participating in laboratory activities. Safety examination includes written and practical “hands-on” preparation, demonstration, and safe operation of occupational processes and equipment.