



Air Conditioning, Heating & Refrigeration Technical Standards

Purpose Statement:

Technical Standards are nonacademic abilities and characteristics established to meet the essential functions of the selected program of study. This resource is provided to all potential applicants to facilitate the making of an informed decision about a program of study and future career. To better understand the nonacademic expectations of this program of study, the specific technical standards are provided below.

In the case of a qualified individual with a documented disability, appropriate and reasonable accommodations will be made unless to do so would fundamentally alter the essential instructional and training elements, cause undue hardship, or compromise safety in the classroom, lab, clinical, and/or field environment.

Standard	Definition of Standard	Example(s) of Technical Standard as applied in Program
Critical Thinking / Problem-Solving Skills	Ability to measure, calculate, reason, analyze, integrate, and synthesize information sufficient for judgment.	<ul style="list-style-type: none">• Interpret wiring diagrams and manifolds.• Identify strengths and weaknesses of multiple solutions, conclusions, or approaches to problems.• Respond quickly to adjust HVAC system controls.

Standard	Definition of Standard	Example(s) of Technical Standard as applied in Program
Interpersonal Skills	Appropriate interpersonal interaction sufficient to work collaboratively with a work-team, clients, and colleagues.	<ul style="list-style-type: none"> • Maintain composure while interacting with co-workers under physically and mentally demanding environmental conditions. • Work cooperatively with partners and groups.
Communication Skills	Ability to effectively communicate using English verbal and non-verbal formats with faculty and other students.	<ul style="list-style-type: none"> • Communicate effectively with co-workers at a moderate distance without line of sight. • Use effective written and oral communication with instructors, students, clients, supervisors, and colleagues.
Mobility / Motor Skills	Physical abilities are sufficient to move in one's environment; sufficient motor function to execute movements required to perform duties with the ability to engage in skills requiring the use of gross and fine motor manipulation of arms, hands and fingers	<ul style="list-style-type: none"> • Crawl under structures or confined spaces while carrying tools or equipment. • Coordinate two or more limbs (arms and legs simultaneously) while sitting, standing, or lying down. • Use and manipulate various hand tools.
Physical Strength and Stamina	Sufficient physical endurance to participate fully in the clinical and	<ul style="list-style-type: none"> • Climb ladders up to 35' in height while carrying tools and equipment.

Standard	Definition of Standard	Example(s) of Technical Standard as applied in Program
	academic settings at an appropriate level.	<ul style="list-style-type: none"> • Lift and carry weight up to 60 pounds and install equipment overhead. • Wear a tool pouch for up to 10 hours a day.
Sensory <ul style="list-style-type: none"> • Sight • Sound • Touch • Smell 	Sufficient auditory, visual, and tactile ability to monitor and assess equipment.	<ul style="list-style-type: none"> • Distinguish all primary colors. • Determine efficiency of equipment operation based on sensory cues. • Identify equipment preventive and maintenance needs based on sensory cues. • Interpret meters, gauges, and electrical equipment.
Behavioral / Emotional Skills	Present self in a professional manner in clinical and academic settings, demonstrating integrity, accountability and reliability; function effectively and adapt to circumstances including highly stressful or rapidly changing situations,	<ul style="list-style-type: none"> • Interact appropriately with faculty, customers, colleagues, supervisors, and other students from a variety of social, emotional, cultural, and intellectual backgrounds
Environmental / Occupational Exposure		<ul style="list-style-type: none"> • Follow safety procedures. • Work in hot (90+ degree) and cold environments.

Standard	Definition of Standard	Example(s) of Technical Standard as applied in Program
		<ul style="list-style-type: none"> • Tolerate possible exposure to insects, snakes, lizards in workspaces. • Tolerate (with proper safety protocols) exposure to noxious chemical compounds including (but not limited to) acids, acid-like chemicals, solvents, glues, cleaners, oils, and refrigerants. • Wear hard hats, safety glasses, steel-toe shoes, and other safety-related equipment. • Students may be required to pass drug screening and/or background checks for job sites. • Students may be required to obtain certain immunizations for job sites.

Please note: Examples are not all-inclusive.

Accessibility & Accommodations:

It is SCC's goal to create a learning environment that is accessible and inclusive. **If a student has a question as to their ability to meet the minimal technical standards listed above, they should contact the Student Accessibility Coordinator to determine if the standard can be**

met with accommodations. To learn more about resources available to you, schedule a consultation or appointment, and/or establish accommodations that may be needed based on impact of a disability, please contact the Student Accessibility Coordinator at accessibility@southwesterncc.edu or 828.339.4326 (Balsam Center, Room 129A).

Signature of Understanding:

I have received a personal copy of the program specific technical standards. I was provided the opportunity to address any questions or concerns. I understand that these are enforceable, nonacademic standards required for the program of study and I certify that I have the ability to meet the technical standards of the program of study.

Student name (printed)

Student Signature

Date