

## **Southeastern Community College**

### Technical Standards for: Air Conditioning, Heating, and Refrigeration Technology

The following are standards which a student in the Air Conditioning, Heating, and Refrigeration Technology major will be required to perform in order to successfully complete the program. If an accepted student believes that he/she cannot meet one or more of the standards with or without reasonable accommodations, the student must consult the Disability Services Counselor at 910-788-6327, [disabilityservices@sccnc.edu](mailto:disabilityservices@sccnc.edu). Southeastern Community College will not discriminate against qualified individuals with disabilities and will provide reasonable accommodations.

#### **Requirements:**

##### **Critical Thinking**

- Possess ability to assess causes of HVAC equipment malfunctions and solutions.
- Possess ability to identify HVAC equipment preventive and maintenance needs and perform maintenance and preventive services.
- Possess ability to determine appropriate tool needed to repair air conditioning, heating or refrigeration systems.
- Must be careful about detail and thoroughness in completing work tasks, exercise good judgment and follow all safety procedures.

##### **Interpersonal Skills**

- Possess sufficient personal skills for successful interactions with colleagues and instructors and from a variety of social, emotional, cultural, and intellectual backgrounds.

##### **Cognitive Skills**

- Must be able to use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Must be able to understand/interpret information from textbooks, handouts, diagrams, charts, and tables.

##### **Communication Skills**

- Must be able to communicate effectively with co-workers and instructor at a moderate distance without line of sight.
- Must use written and oral communication to demonstrate comprehension of HVAC concepts.

**Physical Demands/Motor Skills**

- Possess sufficient motor function to execute hand movements required to install and service HVAC/R systems.
- Possess weight bearing ability sufficient enough to lift and carry weight up to 75 pounds and install equipment overhead.
- Must be able to wear hard hats, safety glasses, steel-toed shoes, and other safety related equipment as required by the industry.

**Auditory Ability**

- Possess sufficient auditory skills to hear tones of various pitches emitted by testers and meters.

**Visual Skills**

- Possess visual skills sufficient to distinguish all primary colors.
- Must have visual perception.
- Possess sufficient visual capacity to read prints, schematics, meters and testers.

If this document is not accessible, contact Disability Services at 910.788.6327, [disabilityservices@sccnc.edu](mailto:disabilityservices@sccnc.edu), or In A Building, Room 124.

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