

Southeastern Community College

Technical Standards: Electrical Engineering Technology

The following are standards which a student in the Electrical Engineering 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. Southeastern Community College will not discriminate against qualified individuals with disabilities and will provide reasonable accommodations.

Requirements:

Critical Thinking

- Be able to make reasonable decisions and supervise others in conditions that require quick decisions and provide exposure to inherent risks and safety factors that may affect the student and others.

Interpersonal Skills

- Be able to effectively and clearly communicate with others in English, and to accurately gather, disseminate, and clarify specific information.

Cognitive Skills

- Be able to understand orders, instructions, and descriptions, and be able to read and comprehend technical manuals, manufacturer's instructions, and warning labels in English.

Communication Skills

- Be able to communicate with co-workers at a moderate distance without a line of sight.

Mobility

- Must be able to perform tasks at varying heights and in confined spaces.

Physical Demands/Motor Skills

- Be able to wear the appropriate and required personal protective equipment such as hard hats, safety glasses, steel toed shoes, gloves, face mask, reflective vest, and safety harnesses as required in the performance of specific duties and as required by the industry.
- Be able to effectively use a computer, including using a manual keyboard, mouse, and viewing a monitor/screen.

- Be able to perform ordinary, necessary, and safe personal movement on or about an industrial site.
- Be able to wire complex circuits using appropriate tools and components.
- Be able to operate test equipment used to analyze and troubleshoot circuits.

Auditory Ability

- Be capable of distinguishing various sounds, tones, and pitches emitted by devices and or equipment and voice-sound communication.
- Be able to tolerate noise from the use of operating equipment and various other tools that may be used in industry.

Visual Skills

- Have sufficient visual capacity to read blueprints, sketches, schematic diagrams, and other printed documents.
- Be able to clearly distinguish colors, shades, and textures of various materials, devices, plastics, metal, etc.
- Have good peripheral vision and depth perception.

NOTE: The Electrical Engineering profession is comprised of many different careers which include both office and field conditions, either separate or a combination. Field conditions provide the greatest exposure to many inherent risks and safety factors, which may affect the student and others. The ability to communicate, make reasonable good decisions, supervise others and meet certain physical requirements, including climbing, lifting and working in small spaces should be an important consideration for individuals desiring to enter this profession.

If this document is not accessible, contact Disability Services at 910.788.6327, disabilityservices@sccnc.edu, or In A Building, Room 124.

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