



Technical Standards Electrical Systems Technology

These technical standards have been established to inform students of the skills and standards necessary for completion of the Electrical Systems Technology program.

ABILITY	STANDARD	EXAMPLES of necessary activities (not all inclusive)
Physical Demands/Motor Skills	<ul style="list-style-type: none"> • Capable of working with many types of tools and be able to wear a tool pouch for up to 10 hours per day • Able to climb ladders up to 35' in length while carrying tools and equipment • Able to climb a ladder or scaffolding • Able to lift at least 40 pounds 	<ul style="list-style-type: none"> • Tools may include but are not limited to: saws, drills, ladders, and bender
Vision	<ul style="list-style-type: none"> • Able to clearly distinguish colors • Sufficient visual capacity to access documents • Able to clearly distinguish colors, shades, and textures of various materials, fabrics, and soils 	<ul style="list-style-type: none"> • Signs for equipment. • Read blueprints, sketches, schematic diagrams, and other printed documents.
Technology	<ul style="list-style-type: none"> • Able to effectively use a computer. 	<ul style="list-style-type: none"> • Laptop, desktop
Hearing	<ul style="list-style-type: none"> • Capable of distinguishing various sounds, tones, and pitches emitted by construction equipment and voice-sound communication • Able to communicate with co-workers at a moderate distance without a line of sight 	<ul style="list-style-type: none"> • Construction noise from trucks, saws, and drills.
Communication/Listening Skills	<ul style="list-style-type: none"> • Able to effectively and clearly communicate with others in English, and to accurately gather, disseminate, and clarify specific information. 	<ul style="list-style-type: none"> • Speak clearly to others regarding specific tasks
Critical Thinking/Problem Solving	<ul style="list-style-type: none"> • Able to understand orders, instructions, and descriptions. • Able to access and comprehend technical manuals, manufacturer's instructions, and warning labels in English. 	<ul style="list-style-type: none"> • Relate tasks to others

SPCC does not practice or condone discrimination, in any form, against students, employees, or applicants on the grounds of race, color, national origin, religion, gender, age, disability, or political affiliation. SPCC commits itself to positive action to secure equal opportunity regardless of those characteristics. Should an employee or student feel his/her rights under Title VI, VII, or IX have been violated, he/she may submit a harassment complaint, including sexual harassment, to the Human Resources Office by mail at PO Box 126, Polkton, NC 28135. Complaints may also be faxed to 704-272-5336 or emailed to lsellers@spcc.edu or eclodfelter@spcc.edu

Reference: These Technical Standards are adapted from Haywood Community College Technical Standards. Modifications have been made to meet SPCC specific program needs.

ABILITY	STANDARD	EXAMPLES of necessary activities (not all inclusive)
Interpersonal Skills	<ul style="list-style-type: none"> • Able to effectively and clearly communicate with others in English, and to accurately gather, disseminate, and clarify specific information. 	<ul style="list-style-type: none"> • Solve tasks related issues in a group.
Environmental Tolerance	<ul style="list-style-type: none"> • Ability to maneuver safely on a construction site. • Comfortable working at significant heights, in crawl spaces, and in confined spaces. • Able to wear the appropriate and required personal protective equipment as required in the performance of specific duties and as required by the industry. 	<ul style="list-style-type: none"> • Work in required spaces using specific equipment such as hard hats, safety glasses, steel toe shoes, gloves, face mask, reflective vest, and safety harnesses.

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