Residential & Commercial Electricity

The **Residential & Commercial Electricity** program technical standards have been developed to inform students of the nonacademic essential functions of the program and profession. Examples are not all inclusive.

| **Standard** | **Essential Function** | **Examples** |
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| **Communication****Oral / Written** | * Skills sufficient to communicate information and ideas so others will understand
 | * Communicate with coworkers and customers
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| **Mobility / Motor Skills** | * Motor skills sufficient to move the hands and use hands to grasp or manipulate objects
* Ability to perform basic computer functions
* Mobility sufficient to perform physical activities that require considerable use of arms and legs and moving the whole body
* Ability to safely operate in and around electricity
 | * Work with electrical wiring
* Enter data into a computer, open, save, and close files and programs
* Physical activities may include:
	+ Stooping
	+ Crawling
	+ Reaching
	+ Squatting
	+ Lifting
	+ Bending
* Use a meter to test, verify, or troubleshoot an energized circuit
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| **Physical Strength and Stamina** | * Ability to participate in an activity for long periods of time
 | * Work on a project for up to six continuous hours
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| **Sensory*** **Sight**
* **Sound**
* **Taste**
* **Touch**
* **Smell**
 | * Visual skills sufficient to see details at close range
* Ability to distinguish colors, shades, and textures
* Visual skills to inspect or assess for safety
* Listening skills sufficient to communicate with others
 | * View blueprints, sketches, and schematic drawings
* Work with wires of different colors
* Inspect an area or piece of equipment for potential failures or safety issues
* Hear others inside of an industrial shop or in the field by voice, loud speaker, phone, and/or two-way radio
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| **Environmental / Occupational Exposure** | * Possible exposure to extreme noise levels
* Possible exposure to dust, chemicals, and fumes
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| **Field or Industry Professional Standards** | * Safely operate tools and equipment
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