

# Southern West Virginia 2022-2023 Southern Academic Catalog Community Technical College

## Electrical Engineering Technology, Certificate

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### Purpose

The Electrical Engineering Technology Certificate Program has the mission to provide an academic and technical education with sequential/ practical instruction for the development of the student as a mature, responsible electrical technician. The curriculum incorporates basic core courses in electricity, electronics, and electrical machinery to prepare the student for entry-level concepts and jobs.

The full Electrical Engineering Technology Certificate Program is available on the Logan Campus. The Boone/Lincoln, Williamson, and Wyoming/McDowell campuses offer the general education/program support courses only.

Program Level Outcomes:

1. Prepare students to become safe and competent electrical technicians.
2. Provide opportunities to display critical thinking skills.
3. Demonstrate responsible professional conduct and behavior.
4. Effectively communicate.

### First Semester

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- [EG 103 - Electrical Calculations](#) 3 Credit Hours
- [EG 105 - Industrial Safety](#) 1 Credit Hours (E)
- [EG 171 - Circuit Analysis I](#) 4 Credit Hours
- [EN 101 - ~English Composition I](#) 3 Credit Hours
- [MT 124 - Technical Math](#) 3 Credit Hours
- [OR 105 - Orientation to Technical Programs](#) 1 Credit Hours (E)

**Credit Hours: 15**

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### Second Semester

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- [EG 123 - Electrical Schematics](#) 3 Credit Hours (E)
- [EG 172 - Circuit Analysis II](#) 4 Credit Hours
- [EG 214 - Electrical Control Systems](#) 4 Credit Hours
- [PH 200 - ~Conceptual Physics](#) 4 Credit Hours

**Credit Hours: 15**

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**Total Credit Hours: 30**

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~ Designates courses on the statewide Core Coursework Transfer Agreement.

This degree program provides students the opportunity to receive credit for their high school EDGE courses (<http://careertech.k12.wv.us/edge/edgeCollege.html>) as designated by the (E) within the program sequence.

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