

Electrical Engineering Technology

Associate in Applied Science
 60 Credit Hours

Purpose

The Electrical Engineering Technology 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 and advanced courses in electricity, electronics and electrical machinery. In addition students must take technical specialization electives in fields that are of particular interest to them.

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

Dept/No.	Title	Credit Hours
Support Courses		
CS 102	Computer Literacy	3
EN 101	English Composition I	3
MT 124	Technical Math	3
MT 125	Trigonometry	
or	or	3
MT 130	College Algebra	
OR 105	Orientation to Technical Programs	1
PH 200 or higher	Introductory Physics	4
SP 103	Speech Fundamentals	3
	¹ Social Science Elective	3
Major Courses		
EG 103	Electrical Calculations	3
EG 105	Industrial Safety	1
EG 107	Introduction to Circuits	4
EG 123	Electrical Schematics	3
EG 171	Circuit Analysis I	4
EG 172	Circuit Analysis II	4
EG 297	National Electric Code	1
EG 298	Capstone	1
	² Specialization Courses	16

¹Choose from any Psychology or Sociology course.

²Specialization Courses (minimum of 16 credit hours): Student must complete a series of restricted electives. Courses offered to fulfill the electives will be structured around current business and industry demands. Courses are limited to Engineering courses not already required by the program and other related courses as approved by the Department Chair for Applied and Industrial Technology.

A trimester-by-trimester program course sequence is available at <http://www.southernwv.edu/programs/electrical-engineering-technology>

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