Instructional Programs

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 general education/program support courses only.

First Semester	Title	Credit Hours
CS 102 (E)	Computer Literacy	3
EG 103	Electrical Calculations	3
EG 105 (E)	Industrial Safety	1
EG 107 (E)	Introduction to Circuits	4
EN 101 or EN 101A	~English Composition I	3
MT 124	Technical Math	3
OR 105 (E)	Orientation to Technical Programs	1
		18
Second Semester	**Title**	**Credit Hours**
EG 123 (E)	Electrical Schematics	3
PH 200	~Conceptual Physics	4
	[1]Restricted Specialized Elective	8
		15
Third Semester	**Title**	**Credit Hours**
MX 110	Introduction to Mechatronics	2
MX 190	Industrial Robotics	3
SP 103	~Speech Fundamentals	3
	[1]Restricted Specialized Elective	4
	[2]General Education Elective	3
		15
Fourth Semester	**Title**	**Credit Hours**
EG 296	Program Logic Control	4
EG 298	Capstone	1
	Restricted Specialized Elective	7
		12

[1]Restricted Specialized Elective: Choose from any Engineering (EG), Drafting (DR), or Mechatronics (MX) courses not already required by the program and other related courses as approved by the Dean.

[2]General Education Elective: Choose from any Economics (EC), English (EN), History (HS), Mathematics (MT), Political Science (PS), Psychology (PY), or Sociology (SO) course not already required by the program.

~ 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).

Dean: 304.896.7365
Administrative Secretary: 304.896.7385