

# ELECTRONICS ENGINEERING TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE

## Program Description

This program educates students to work with engineers in designing or evaluating new products as well as troubleshooting and repairing electronics equipment, including computer equipment.

## Mission Statement

The Electronics Engineering Technology program will equip graduates to use their training and education to provide engineering and technological support to local industry and manufacturing while encouraging them to stay at the cutting edge of changing technologies through continued life-long learning.

## Entrance Requirements

High school diploma or GED

## Type of Program

Day or evening

## Program Accreditation

The EET Associate in Applied Science program is accredited by the Engineering Technology Accreditation Commission of ABET, <https://www.abet.org/>.

## Employment Opportunities

Power companies, manufacturing, computer and service industries

## Transfer Options

Students planning to transfer and pursue a bachelor's degree in engineering are strongly urged to utilize Greenville Technical College's academic advising services. The transfer process for specific career pathways is very specific and leaves little opportunity for error in choosing classes. It is very important that students discuss curriculum and transfer requirements with their assigned academic advisor and with a transfer advisor at the four-year institution of their choice. It is most beneficial to the student if these discussions begin as soon as the choice to transfer to a four-year institution has been made.

- Graduates may continue their education toward a Bachelor of Engineering Technology degree at a South Carolina state university or other out-of-state colleges offering a BSEET degree.
- Graduates may continue their education at the University of South Carolina-Upstate for a Bachelor of Science degree in Engineering Technology Management under a 2+2 cooperative agreement.
- Students with engineering transfer credit(s) may choose the substitute courses as listed for the EET course.

Visit our web page at <https://www.gvltec.edu/eet/>.

## Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables

can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

The course schedule listed above is designed for students who place into ENG 101 English Composition I\* and MAT 110 College Algebra\* (or MAT 140 Analytical Geometry and Calculus I\*) based on the placement test. Students who are taking prerequisite courses for ENG 101 English Composition I\* and MAT 110 College Algebra\* should contact their academic advisor for recommended courses.

**Note:** Please contact your advisor for recommended evening schedules.

First Semester		Hours
EGR 130	Engr Tech Applications & Programming <sup>1</sup>	3
or EGR 269	Engineering Disciplines and Skills	
EET 111	DC Circuits <sup>2</sup>	4
or ECE 221	Introduction to Electrical Engineering I	
ENG 101	English Composition I	3
MAT 110	College Algebra	3
COL 105	Freshman Seminar	3
<b>Total Semester Hours</b>		<b>16</b>
Second Semester		Hours
EET 112	AC Circuits <sup>2</sup>	4
or ECE 222	Intro to Electrical Engineering II	
EET 145	Digital Circuits <sup>2</sup>	4
or ECE 211	Introduction to Computer Engineering I	
MAT 111	College Trigonometry	3
PHY 201	Physics I	4
or PHY 221	University Physics I	
<b>Total Semester Hours</b>		<b>15</b>
Third Semester		Hours
EET 131	Active Devices	4
EET 227	Electrical Machinery	3
SPC 205	Public Speaking	3
<b>Total Semester Hours</b>		<b>10</b>
Fourth Semester		Hours
EET 141	Electronic Circuits	4
EGR 210	Introduction to Engineering CAD	3
or EGR 275	Introduction to Engineering/Computer Graphics	
EET 251	Microprocessor Fundamentals <sup>2</sup>	4
or ECE 212	Introduction to Computer Engineering II	
EET 233	Control Systems	4
<b>Total Semester Hours</b>		<b>15</b>
Fifth Semester		Hours
Select one of the following:		4
CHM 110	College Chemistry I	
PHY 202	Physics II	
PHY 222	University Physics II	
EET 235	Programmable Controllers	3
EET 243	Data Communications	3
EET 273	Electronics Senior Project	1
Social/Behavioral Science elective		3

Humanities elective	3
<b>Total Semester Hours</b>	<b>17</b>
<b>Total Required Credit Hours</b>	<b>73</b>

<sup>1</sup> Students who substitute EGR 269 Engineering Disciplines and Skills for EGR 130 Engr Tech Applications & Programming must take an additional credit hour to meet the total hours required for graduation.

<sup>2</sup> Students who substitute ECE classes for EET classes will need to take an additional one credit hour ECE lab course. Please contact your advisor.