

# Electronics Engineering Technology

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## Electronics Engineering Technology Associate in Applied Science

### Mission Statement:

The mission of the Electronics Engineering Technology program at Greenville Technical College is to prepare students to be an electronics engineering technician who can troubleshoot, maintain, program, test, calibrate, document, design, construct and install electronic and electrical systems in a professional manner.

### Entrance Requirements:

Acceptable placement test score(s), plus high school diploma or GED

### Type of Program:

Day or evening

### Employment Opportunities:

Power companies, manufacturing, computer and service industries

- 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.
- 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 substitute the courses as listed below for the EET course on the same line.
- The EET program is accredited by the Engineering Technology Accreditation Commission of ABET ([www.ABET.org](http://www.ABET.org)).

### First Semester

EGR	130	Engineering Technology Applications & Programming (or EGR 269***)	3.0
EET	111	DC Circuits (or ECE 221†)	4.0
EET	172	Electronic Drafting (or EGR 275)	2.0
ENG	101	English Composition I*	3.0
MAT	110	College Algebra*	3.0

### Second Semester

EET	112	AC Circuits (or ECE 222†)	4.0
EET	145	Digital Circuits (or ECE 211†)	4.0
MAT	111	College Trigonometry*	3.0
PHY	201	Physics I (or PHY 221)*	4.0

### Third Semester

EET	131	Active Devices	4.0
EET	227	Electrical Machinery	3.0
SPC	205	Public Speaking*	3.0

### Fourth Semester

EET	141	Electronic Circuits	4.0
EET	233	Control Systems	4.0
EET	251	Microprocessor Fundamentals (or ECE 212†)	4.0
		Humanities elective*	3.0

**Fifth Semester**

CHM	110	College Chemistry I*	4.0
		or	
PHY	202	Physics II (or PHY 222)*	
EET	235	Programmable Controllers	3.0
EET	243	Data Communications	3.0
EET	273	Electronics Senior Project	1.0
		Social/Behavioral Science elective*	3.0

**Total Required Credit Hours:****69.0**

\*General education course

Note: Please contact your advisor for evening schedules.

\*\* The course schedule listed above is designed for students who place into ENG 101 and MAT 110 (MAT 140) based on the placement test. Students who are taking prerequisite courses for ENG 101 and MAT 110 should contact the EET academic program director for recommended courses.

\*\*\*Students who substitute EGR 269 for EGR 130 must take an additional credit hour to meet the total hours required for graduation.

†Students who substitute ECE classes for EET classes will need to take additional credit hours in a technical elective to meet the total hours for graduation.

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.