

Electronics engineering technology is concerned with the theory and practice of applied electronics engineering. It is designed to provide students with the skills and knowledge required to work with electronic equipment in a wide variety of high-tech forms, often assisting electronics engineers. Graduates generally maintain, repair, test and modify complex electronic systems, conduct research and develop products.

Career Opportunities

Recent graduates of the electronics engineering technology program have accepted positions with the following titles: electronics engineering technician, electrical technician and industrial technician.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Design and construct basic circuitry based on an in-depth knowledge of electronic devices, circuits and embedded systems.
- Apply mathematics to the development of ideas based on scientific and engineering principles.
- Install, maintain and repair electronic circuits and systems using extensive knowledge of theory, test equipment and procedures.
- Apply understanding of electronic devices, circuits, systems, software and procedures to practical situations.
- Adapt and extend knowledge of electronics to new devices, circuits and systems.
- Communicate technological ideas and information with others verbally, graphically and in writing.

Sugg. Term	Seq #	Course ID	Course Title	Cr.	Term Offered	Prereq(s)	Options Available
1st Fall	1	PDV 101	First Year Seminar	1	F, Sp, Su		
	2	ENG 161	College Writing	3	F, Sp, Su	ENG 085 or Placement	
	3	ELC 106	Circuit Analysis I	4	F, Sp		
	4	MTH 108	Mathematics for Technologies I	4	F, Sp, Su	MTH 052, 052A or Placement	
	5	Elective	Social Science Elective	3	F, Sp, Su		Page 49 Column III
1st Spring	6	ELC 102	Electronic Devices	4	Sp	ELC 106	
	7	ELC 107	Circuit Analysis II	4	F, Sp	ELC 106 & MTH 108	
	8	ELC 114	Digital Techniques	4	Sp	ELC 106	
	9	MTH 109	Mathematics of Technologies II	4	F, Sp, Su	MTH 108 or Placement	
2nd Fall	10	ELC 202	Linear Electronics	4	F	ELC 102 & 107, MTH 109 or 158	
	11	ELC 206	Microprocessors	4	F	ELC 114	
	12	ENG 162	Technical Communication	3	F, Sp, Su	ENG 161	ENG 163 or 164
	13	PHY 155	College Physics I	4	F, Sp, Su	MTH 108, 100, or 100A and PHY 110 or HS Physics	
2nd Spring	14	DFT 258	AutoCAD	4	F, Sp		
	15	PHY 156	College Physics II	4	F, Sp, Su	PHY 155	
	16	ELC 213	Microprocessor Applications	4	Sp	ELC 206	
	17	Elective	Restricted Elective	4	F, SP, Su		See List

Total Program Credits

62

Restricted Electives: ELC 192, 221, 222, 223; RBT140, 220, 230, 240, 245