

Electronics Engineering Technology

Electronics Engineering Tcy

TERRY CAMPUS

Spring 2020

The graduate of the Electronics Engineering Technology program has extensive training in analog and digital electronics with emphasis on applications and analysis relating to microprocessor, industrial control and communication systems. The students are skilled in computer simulation, robotics, programmable logic controllers, networking, and wireless communications. This program integrates the teaching styles of lecture, demonstration, laboratory and "hands-on" into all course work. Career opportunities in engineering, robotics, avionics, communications, computer electronics, quality control, networking, microwave filters, and manufacturing are likely employment areas.

PROGRAM SPECIFIC ADVISEMENT STATEMENT

Courses - Semester 1	Credits	Lecture	Lab
SSC 100 - First Year Seminar	1	1	0
ELC 125 - Electrical Circuits I	4	3	3
CEN 150 - Computer Assembly/Maint	4	3	2
MAT 180 - College Algebra	4	4	1
CEN 100 - Intro Elec & Computer Eng Tech	3	2	2

Courses - Semester 2	Credits	Lecture	Lab
ENG 101 - Crit Thinking & Acad Writing	3	3	0
ELC 126 - Analog Electronics I	3	2	2
ELC 127 - Digital Electronics	4	3	3
CEN 180 - C/C++ Language Intro	4	3	2
MAT 190 - Precalculus	4	4	1

Courses - Semester 3	Credits	Lecture	Lab
ELC 225 - Electrical Circuits II	4	3	3
ELC 227 - Microcontroller Fundamentals	3	2	3
ENG 102 - Composition and Research	3	3	0
PHY 205 - General Physics I	4	3	3
ELC 226 - Analog Electronics II	3	2	2

Courses - Semester 4	Credits	Lecture	Lab
ELC 228 - Microcontroller Applications	4	3	4
ELC 243 - Programmable Logic Controllers	4	3	3
ELC 236 - Analog Electronics III	4	3	2

Approved Electives

Select two social science electives to take in the fourth semester.

Group	Courses	Credits	Lecture	Lab
	ECO 111 - Macroeconomics	3	3	0
	ECO 122 - Microeconomics	3	3	0
	POL 111 - Political Science	3	3	0
	PSY 100 - Human Relations	3	3	0
	PSY 121 - General Psychology	3	3	0
	SOC 111 - Sociology	3	3	0

[COM 111 - Human Communications](#)

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*To complete program requirements, you must pass the above courses and earn at least **69 credits**. The number of courses and credits required for graduation may be more depending on your need for developmental education courses and the elective choices you make (if electives are a part of the program). Some programs also have college-level courses that you must take if you do not score at a certain level on the College Placement Test. If this applies to your program, the courses are listed at the top of the sequence sheet before the first semester of the course list.*