

## Electronic Engineering Technology

### Computer Engineering Tcy Option

STANTON CAMPUS

Fall 2022

The Computer Engineering Technology Option combines the hardware and software principles a technician encounters working with microcomputers. Specialized courses cover the fundamentals of electrical and electronic circuit theory as well as device operation and computer circuits. Students will acquire skills in basic PC installation and routine maintenance, including troubleshooting and repair of microcomputer equipment and peripherals. Advanced skills in networking and security are also covered. An introduction to software through computer languages, such as C, C++, and assembly language are presented. Graduates can pursue career opportunities as computer technician, field service engineer, customer service representative, or computer network technician. The Computer Engineering Technology Option is a path through the Electronics Engineering Technology program and is accredited by the Engineering Technology Accreditation Commission of ABET, <http://abet.org>.

#### PROGRAM SPECIFIC ADVISEMENT STATEMENT

##### Courses - Semester 1

	Credits	Lecture	Lab
<a href="#">SSC 100 - First Year Seminar</a>	1	1	0
<a href="#">ELC 125 - Electrical Circuits I</a>	4	3	3
<a href="#">CEN 150 - Computer Assembly/Maint</a>	4	3	2
<a href="#">MAT 183 - Reasoning with Functions I</a>	5	5	
<a href="#">CEN 100 - Intro Elec &amp; Computer Eng Tech</a>	3	2	2

##### Courses - Semester 2

	Credits	Lecture	Lab
<a href="#">ENG 101 - Composition I</a>	3	3	0
<a href="#">ELC 126 - Analog Electronics I</a>	3	2	2
<a href="#">ELC 127 - Digital Electronics</a>	4	3	3
<a href="#">CEN 180 - C/C++ Language Intro</a>	4	3	2
<a href="#">MAT 193 - Reasoning with Functions II</a>	4	4	

##### Courses - Semester 3

	Credits	Lecture	Lab
<a href="#">ELC 225 - Electrical Circuits II</a>	4	3	3
<a href="#">ELC 227 - Microcontroller Fundamentals</a>	3	2	3
<a href="#">ENG 102 - Composition II</a>	3	3	0
<a href="#">ELC 226 - Analog Electronics II</a>	3	2	2
<a href="#">ELC 205 - Computer Networks and System I</a>	4	3	2

##### Courses - Semester 4

	Credits	Lecture	Lab
<a href="#">ELC 228 - Microcontroller Applications</a>	4	3	4
<a href="#">PHY 205 - General Physics I</a>	4	3	3
<a href="#">ELC 206 - Computer Networks &amp; Systems II</a>	3	2	3

##### Approved Electives

Group	Courses	Credits	Lecture	Lab
	<a href="#">ECO 111 - Macroeconomics</a>	3	3	0
	<a href="#">ECO 122 - Microeconomics</a>	3	3	0
	<a href="#">POL 111 - Political Science</a>	3	3	0
	<a href="#">PSY 100 - Human Relations</a>	3	3	0
	<a href="#">PSY 121 - General Psychology</a>	3	3	0

<a href="#">SOC 111 - Sociology</a>	3	3	0
<a href="#">COM 111 - Human Communications</a>	3	3	0

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 college readiness and the elective courses offered in your program major (if electives are a part of the program).