

Electronics Engineering Technology

Electronics Engineering Technology Transfer Option

OWENS CAMPUS

Spring 2021

The Electronics Engineering Technology Transfer Program prepares students for transfer to a baccalaureate electronics engineering technology program. Rigorous mathematics and physics instruction as well as hands-on laboratory training in analog and digital electronics, microprocessors, computers and programmable logic controllers provide students the foundational skills necessary for a successful transfer to a four year institution.

PROGRAM SPECIFIC ADVISEMENT STATEMENT

Students planning to transfer to Delaware State University should take ELC 283, Introduction to LabView. Students planning to transfer to University of Maryland Eastern Shore should take ELC 236, Analog Electronics III. PHY 281 and PHY 282 are required for transfer to DeVry University. PHY 281 and PHY 282 required for transfer to DeVry University.

Courses - Semester 1

	Credits	Lecture	Lab
SSC 100 - First Year Seminar	1	1	0
CEN 100 - Intro Elec & Computer Eng Tech	3	2	2
ENG 101 - Crit Thinking & Acad Writing	3	3	0
MAT 281 - Calculus I	4	4	1
ELC 125 - Electrical Circuits I	4	3	3

Courses - Semester 2

	Credits	Lecture	Lab
ELC 126 - Analog Electronics I	3	2	2
(PHY 205 - General Physics I OR PHY 281 - Physics I with Calculus)	4	3	3
MAT 282 - Calculus II	4	4	1
ELC 127 - Digital Electronics	4	3	3
CEN 180 - C/C++ Language Intro	4	3	2

Courses - Semester 3

	Credits	Lecture	Lab
ENG 102 - Composition and Research	3	3	0

Courses - Semester 4

	Credits	Lecture	Lab
ELC 225 - Electrical Circuits II	4	3	3
ELC 227 - Microcontroller Fundamentals (PHY 206 - General Physics II OR PHY 282 - Physics II with Calculus)	4	3	3
ELC 226 - Analog Electronics II	3	2	2

Courses - Semester 5

	Credits	Lecture	Lab
ELC 228 - Microcontroller Applications	4	3	4
ELC 243 - Programmable Logic Controllers (ELC 283 - Introduction to LabVIEW OR ELC 236 - Analog Electronics III)	4	3	2

Approved Electives

Take one social science/humanities elective in the third and fifth semester.

Group	Courses	Credits	Lecture	Lab
	COM 111 - Human Communications	3	3	0

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

*To complete program requirements, you must pass the above courses and earn at least **68 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.*