

Electronic & Computer Engineering Technology (AS) (61 credits)

Degree Type

Associate in Science

Math 135 and Math 140 may be substituted for Math 140X.

Requirements for Associate in Science (AS) in Electronic & Computer Engineering Technology (61-62 credits)

Course #	Title	Credits
ETRO 105	Circuit Analysis I	4
ETRO 106	Circuit Analysis II	4
ICS 110	Introduction to Computer Programming	3
	ICS 111 or EE 160	4
	ETRO 140 or ICS 184	3-4
MATH 103	College Algebra	3
ENG 100	Composition I	3
ETRO 161	Intro Optics & Photonics	3
ETRO 193v	Internship	1
ETRO 201	Digital Computer Technology I	4
ETRO 205	Digital Computer Technology II	4
ETRO 210	Electronic Technology I	3
ETRO 212	Electronic Technology II	3
	MATH 140X or PHYS 151/151L	4
ETRO 296	Capstone Project I	3
ETRO 297	Capstone Project II	3
	ENG 200 or ENG 225	3
	Communication Elective	3
	Social Science Elective	3

Course Sequencing

Cohort takes courses in this sequence:

First Semester (Fall) (16 credits)

The prerequisite/corequisite for [ICS 110](#) is [ICS 101](#) (recommended) or [BUSN 150](#).

ETRO 105, ENG 100, ICS 110, and MATH 103 are required for the CA.

Course #	Title	Credits
ETRO 105	Circuit Analysis I	4
ICS 110	Introduction to Computer Programming	3
ENG 100	Composition I	3
MATH 103	College Algebra	3
	Social Science Elective	3

Second Semester (Spring) (14-15 credits)

ETRO 106 and ICS 111 or EE 160 are required for the CA.

Course #	Title	Credits
ETRO 106	Circuit Analysis II	4
	ICS 111 or EE 160	4
	ETRO 140 or ICS 184	3-4
	ENG 200 or ENG 225	3

Third Semester (Fall) (20 credits)

Course #	Title	Credits
ETRO 201	Digital Computer Technology I	4
ETRO 210	Electronic Technology I	3
ETRO 296	Capstone Project I	3
	MATH 140X or PHYS 151/151L	4
	Communication Elective	3

Fourth Semester (Spring) (17 credits)

Course #	Title	Credits
ETRO 161	Intro Optics & Photonics	3
ETRO 205	Digital Computer Technology II	4
ETRO 212	Electronic Technology II	3
ETRO 193v	Internship	1
ETRO 297	Capstone Project II	3