Electronics Technology: Associate in Science Degree

Some courses in the program are offered in a particular cycle and the course offerings will vary depending on the year of the first Fall semester. Two possible pathways are provided: one pathway for students starting in the Fall in an odd year (Track 1) and one pathway for students starting in the Fall in an even year (Track 2).

Track 1 (Odd Year)

This suggested sequence is for students starting in the fall during an odd year.

Fall (Semester 1)

Course	Course Title/Category	Credits
ETRO 101	Introduction to Electronics Technology	3
ETRO 105	Circuit Analysis I	4
ETRO 140B	Cisco Networking 1	3
MATH 103	College Algebra	3
ENG 100	Composition I	3

1. ENG 100: This course fulfills the Written Communication category.

Spring (Semester 2)

Course	Course Title/Category	Credits
ETRO 106	Circuit Analysis II	4
ETRO 140C	Cisco Networking 2	3
ETRO 287	Computer Systems and Networking	4
	EE 160 or ICS 111	3-4
	Social Environment: A.S. Core Options	3

1. EE 160 or ICS 111: ICS 111 is recommended.

Fall (Semester 3)

Course	Course Title/Category	Credits
ETRO 143	Digital Electronics	3
ETRO 143L	Digital Electronics Laboratory	1
ETRO 210	Electronic Technology 1	3
SCI 122	Introduction to Physical Science	3
SCI 122L	Introduction to Physical Science Laboratory	1
	Electives - Electronics Technology	3

Spring (Semester 4)

Course	Course Title/Category	Credits
ETRO 161	Introduction to Optics and Photonics	3
ETRO 280	Microprocessor Architecture, Programming, and Interfacing	3
SP 251	Principles of Effective Public Speaking	3
	Cultural Environment: A.S. Core Options	3
	Electives - Electronics Technology	3

1. SP 251: This course fulfills the Oral Communication category.

Track 2 (Even Year)

This suggested sequence is for students starting in the fall during an even year.

Fall (Semester 1)

Course	Course Title/Category	Credits
ETRO 101	Introduction to Electronics Technology	3
ETRO 105	Circuit Analysis I	4
ETRO 143	Digital Electronics	3
ETRO 143L	Digital Electronics Laboratory	1
MATH 103	College Algebra	3

Spring (Semester 2)

Course	Course Title/Category	Credits
ETRO 106	Circuit Analysis II	4
ETRO 161	Introduction to Optics and Photonics	3
ETRO 280	Microprocessor Architecture, Programming, and Interfacing	3
SP 251	Principles of Effective Public Speaking	3
	Cultural Environment: A.S. Core Options	3

1. SP 251: This course fulfills the Oral Communication category.

Fall (Semester 3)

Course	Course Title/Category	Credits
ENG 100	Composition I	3
ETRO 140B	Cisco Networking 1	3
ETRO 210	Electronic Technology 1	3
SCI 122	Introduction to Physical Science	3
SCI 122L	Introduction to Physical Science Laboratory	1
	Electives - Electronics Technology	3

1. ENG 100: This course fulfills the Written Communication category.

Spring (Semester 4)

Course	Course Title/Category	Credits
ETRO 140C	Cisco Networking 2	3
ETRO 287	Computer Systems and Networking	4
	EE 160 or ICS 111	3-4
	Electives - Electronics Technology	3
	Social Environment: A.S. Core Options	3

1. EE 160 or ICS 111: ICS 111 is recommended.

	Total Credits	**62**

Category Descriptions

Cultural Environment: A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.

Electives - Electronics Technology

Electives should be taken in two semesters (3 credits per semester) to fulfill the 6 credits required. Choose from the following tracks:

Civil Track:

GIS 189 (3), GIS 200 (3)

Electronics Track:

ETRO 257 (4)

Network Track:

ETRO 240B (3), ETRO 240C (3)

Programming Track:

EE 160 (4), ETRO 275 (3)

Social Environment: A.S. Core Options

Refer to the "General Education/Skills Core Options Course List" under the "Programs (Certificates and Degrees)" section of the catalog for a list of courses that will fulfill this category.