

Computer Networking and Electronics Technology: Electronic Engineering Technology

Award Type: Associate in Science

The associate in science degree curriculum in electronic engineering technology provides the lower division course requirements leading to a baccalaureate degree in engineering technology.

The graduate of the Associate in Science in Computer Networking and Electronics Technology: Electronic Engineering Technology will:

- Demonstrate a fundamental mastery of knowledge and the use of electronic equipment in electrical, digital, and analog circuits.
- Use computer simulation and design software to conduct, analyze and interpret electrical, digital and analog circuits.
- Make calculations involving various electrical laws, formulas, and principles for predicting circuit parameters using algebra and trigonometry required for electronics.
- Use research strategies to acquire information pertinent to the solution of electronic circuits and systems.
- Write technical laboratory reports with conclusions.
- Demonstrate learned skills with a capstone project requiring you to design, build and evaluate a piece of electronic equipment.

Program Requirements

A major of 41 units is required for the degree.

Required core courses (41 units):

Course Number	Course Title	Units
CHEM 120	Introductory Chemistry	4.0
EL 118	Fundamentals of DC and AC Circuits Analysis	3.0
EL 119	Fundamentals of DC and AC Circuits Analysis Laboratory	2.0
EL 122	Electronic Devices and Circuits	3.0
EL 123	Electronic Devices and Circuits Laboratory	2.0
EL 125	Digital Devices and Circuits	3.0
EL 126	Digital Devices and Circuits Lab	2.0
EL 135	Electronic Measurement and Instrumentation	3.0
EL 136	Electronics Measurement and Instrumentation Laboratory	2.0
EL 146	Electronic Product Design, Fabrication and Documentation	2.0
MATH 181	Calculus 1	4.0
PHYS 141	General Physics 1	4.0
PHYS 142	General Physics 2	4.0
CS 102	Introduction to Computing with HTML	3.0

any other 3 unit programming course in the **computer science** discipline.