

CAREER PROGRAMS

Electronics Technology

Associate in Applied Science Degree

This 71 credit-hour program is designed to prepare students for careers in the field of electronics and other related technology industries. The curriculum satisfies general education requirements, and offers courses in mathematics, computer science and physics to cultivate student critical thinking skills. A broad range of electronics courses provides considerable emphasis on analysis and application, or applied technology. Specific electronics technology topics for this program include: electrical laws and principles, network analysis, semiconductor devices and circuits, digital and analog circuits, communications systems, and microprocessors and microcomputers. Additional courses in the industrial electronics area are also available.

Graduates of this program may find employment as technical sales specialists, applications engineers, engineering laboratory technicians, technical writers, manufacturing and quality control technicians, and customer service engineers.

FIRST YEAR

First Semester

Communications elective1	3
ELT 101 DC Network Analysis	4
ELT 110 Introductory Electronics	4
Humanities or Social Science elective2	3
MTH 103 College Algebra	4
	<u>18</u>

Second Semester

Communications elective1	3
CIS/CSC elective3.....	3
ELT 102 AC Network Analysis	4
ELT 111 Semiconductor Devices and Circuits.....	2
Humanities or Social Science elective2	3
MTH 104 Plane Trigonometry	3
	<u>18</u>

SECOND YEAR

First Semester

ELT 103 RF Network Analysis.....	4
ELT 203 Digital Electronics.....	4
MTH 200 Calculus with Analytic Geometry I	5
PHY 121 Introductory Physics I.....	5
	<u>18</u>

Second Semester

ELT 204 Analog Electronics	4
ELT 207 Communications Systems	4
ELT 218 Microprocessors and Microcomputers	4
PHY 122 Introductory Physics II4.....	5
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¹ Communications electives must satisfy associate in applied science degree Group I requirement.

- ² Humanities and Social Science electives must satisfy associate in applied science degree Group 4 or 5 requirements.
- ³ CIS/CSC elective must be approved by the program coordinator.
- ⁴ Students may substitute any 5-6 hour combination of ELT 125, ELT 130, ELT 135, ELT 140, ELT 215 courses for PHY 122.