

ELECTRONICS COMPUTER TECHNICIAN CERTIFICATE

36 Semester Credit Hours; Curriculum: 0167

Code	Title	Hours
Courses for a Certificate		
CIS 103	Computer Software and Concepts	4
ELT 101	Introduction to Electronics	5
ELT 106	Semiconductor Theory	3
ELT 130	Microcomputer Hardware Systems	3
ELT 140	Computer Peripherals	3
ELT 221	Digital Circuit Fundamentals	3
ELT 231	Fundamentals of Microprocessors	3
CNS 105	Networking Essentials	3
MAT 114	Applied Mathematics I	4
Additional ELT, CNS, or MFG courses; contact an academic advisor for a list of acceptable courses		5
Total Hours		36

Electronics Computer Technician Certificate Pathway

The following Pathway is recommended for students pursuing the Electronics Computer Technician Certificate.

Course	Title	Hours
First Year		
Semester One		
ELT 101	Introduction to Electronics	5
ELT 130	Microcomputer Hardware Systems	3
ELT 140	Computer Peripherals	3
MAT 114	Applied Mathematics I	4
Hours		15
Semester Two		
ELT 106	Semiconductor Theory	3
ELT 110	Electronic Drafting Using CAD	4
CIS 103	Computer Software and Concepts	4
CNS 105	Networking Essentials	3
Hours		14
Second Year		
Semester One		
ELT 221	Digital Circuit Fundamentals	3
ELT 231	Fundamentals of Microprocessors	3
ELT 150 or ELT 154	A+ Certification Preparation or Fundamentals of Solar Energy Systems	2-3
Hours		8-9
Total Hours		37-38

Note: Pathway is a recommended sequence of courses. Part-time students should contact the department chair to discuss a part-time pathway as well as course prerequisites and recommendations.