

ELECTRONICS TECHNOLOGY CERTIFICATE

42 Semester Credit Hours; Curriculum: 0166

Code	Title	Hours
Courses for a Certificate		
ELT 101	Introduction to Electronics	5
ELT 106	Semiconductor Theory	3
ELT 110	Electronic Drafting Using CAD	4
ELT 130	PC Hardware and Maintenance Concepts	3
ELT 221	Digital Circuit Fundamentals	3
ELT 231	Fundamentals of Microprocessors	3
CNS 105	Networking Essentials	3
MAT 114	Applied Mathematics I (or equivalent)	4
MAT 116	Applied Mathematics II (or equivalent)	3
MFG 240	Programmable Logic Controllers (PLC)	4
PHY 101	Applied Physics	4
Additional ELT courses; contact an academic advisor for a list of acceptable courses		3
Total Hours		42

Electronics Technology Certificate Pathway

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

First Year		
Semester One		Hours
ELT 101	Introduction to Electronics	5
ELT 130	PC Hardware and Maintenance Concepts	3
CNS 105	Networking Essentials	3
MAT 114	Applied Mathematics I	4
Hours		15
Semester Two		
ELT 106	Semiconductor Theory	3
ELT 110	Electronic Drafting Using CAD	4
PHY 101	Applied Physics	4
MAT 116 or MAT 140	Applied Mathematics II or College Algebra	3-4
Hours		14-15
Second Year		
Semester One		
ELT 221	Digital Circuit Fundamentals	3
ELT 231	Fundamentals of Microprocessors	3
MFG 240	Programmable Logic Controllers (PLC)	4
ELT 225 or ELT 224	Digital Integrated Circuits or Industrial Circuit Applications	3
Hours		13
Total Hours		42-43

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.