

(A40180) Electrical Engineering Technology Curriculum Flowchart

Fall 1	Spring 1	Summer 1	Fall 2	Spring 2
17 Credit Hours	15 Credit Hours	9 Credit Hours	13/14 Credit Hours	16 Credit Hours
COM 110 Introduction to Communication [3 contact, 3 credit]	MAT 122 Algebra / Trigonometry II Or MAT 172 Precalc/Trig II [4 contact, 3 credit]	ENG 114 Professional Research and Reporting [3 contact, 3 credit]	MAT-223 Applied Calculus [4 contact, 3 credit] Or MAT-271 Calculus I [5 contact, 4 credit]	PHY 151 Physics – Mechanics [5 contact, 4 credit]
ENG 111 Expository Writing [3 contact, 3 credit]	ELC 213 Instrumentation [6 contact, 4 credit]	Behavioral science [3 contact, 3 credit]	ELC 135 Electrical Machines I [4 contact, 3 credit]	ELN 232 Intro to Microprocessors [6 contact, 4 credit]
MAT 121 Algebra / Trigonometry I Or MAT 171 Precalc/Trig I [4 contact, 3 credit]	ELC 133 Circuit Analysis II [6 contact, 4 credit]	Humanities/Fine Arts [3 contact, 3 credit]	CSC 134 C++ Programming [5 contact, 3 credit]	ELC 231 Electrical Power Systems [5 contact, 4 credit]
ELC 131 Circuit Analysis I [6 contact, 4 credit]	ELN 131 Analog I [6 contact, 4 credit]		ELN 260 Programmable Logic Controllers [6 contact, 4 credit]	PCI 170 DAQ and Controls (LabVIEW) [6 contact, 4 credit]
ELN 133 Digital Logic [6 contact, 4 credit]				

* Must make a C or above to advance

Curriculum Total Credit Hours	70/71
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Color Key
Communications
Mathematics
Physical & Natural Sciences
Social Sciences & Humanities
Technical Content

<u>MUST</u> Take this Course	<u>BEFORE</u> Taking this Course
*ELC 131	ELC 133
*ELC 131	ELC 135
*ELC 131	ELN 131
*ELC 213	ELN 260
*ELN 131	ELN 132
*ELN 133	ELN 232

<u>MUST</u> Take this Course	<u>BEFORE</u> Taking this Course
*ENG 111	ENG 114
*MAT 121	MAT 122
*MAT 171	MAT 172
*MAT 122	MAT-233
*MAT 172	MAT 271
*MAT 171	PHY 131