

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

First Year – 28-29 Hours			
Fall Semester:		Spring Semester:	Hrs
MATH 1710: <i>Pre-calculus I</i> (or MATH 1130)	3	CPSC 1100: <i>Fundamentals of Computer Science</i>	4
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	MATH 1720: <i>Pre-calculus I</i> (or MATH 1730)	3
ENEE 1010: <i>Intro to Electrical Engineering</i>	3	ENME 1850: <i>Intro to Engineering Design</i>	2
ENME 1011: <i>Intro to Two/Three-Dimensional Modeling</i>	1	ENGL 1020 or HIST 2100 (Rhetoric & Writing II)	3
Behavioral and Social Science (ECON 1010 or 1020)	3	Fine Arts and Humanities*	3
	13-14		15
Second Year – 32 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETEM 1320: <i>Intro to Material Science & Technology</i>	3	ETME 2150: <i>Manufacturing Processes</i>	3
THSP 1090: <i>Public Speaking</i>	3	Fine Arts and Humanities*	3
Technical Elective	3	Technical Elective	4
MATH 1950: <i>Calculus w/ Analytic Geometry I</i>	4	ETME 1100: <i>Electrical & Electronic Circuits</i>	3
PHYS 1030/1030L: <i>General Physics: Mechanics & Heat (Natural Science)</i>	4	ETME 2130: <i>Principles of Mechanical Systems</i>	3
	17		15
Third Year – 31 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETME 2100: <i>Intro to Mechatronics Engr Technology</i>	3	ETME 3230: <i>Industrial Programming & Networking</i>	3
ETME 2110: <i>Digital Electronics & Microcontrollers</i>	3	ETEM 3520: <i>Cost Est. & Analysis for Engineering Mgmt.</i>	3
ETCM 2010: <i>Industrial Safety & Risk Management</i>	3	ETME 3010: <i>Applied Math for Engineering Technology</i>	3
MGT 2130: <i>Stats for Business</i> , ENCE 2220: <i>Probability & Stats for Engr</i> , or MATH 2100: <i>Introductory Stats (Stats)</i>	3	PHYS 1040/1040L: <i>General Physics - Electromagnetism & Optics/Lab (Natural Science)</i>	4
Technical Elective	3	ETME 3110: <i>Control Systems Technology</i>	3
	15		16
Fourth Year – 33 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETEM 3550: <i>Project Management & Practice</i>	3	ETME 3120: <i>Maintenance of Mechatronic Systems</i>	3
ETEM 4590: <i>Facilities Management</i>	3	ETME 4210: <i>Integrated Mechatronics Systems II</i>	3
ETME 4130: <i>Applied Electric Power & Machinery</i>	3	ETME 4220: <i>Robotics & Motion Control</i>	3
ETME 3210: <i>Automation Systems</i>	3	ETEM 4960r: <i>Engineering Technology Management Internship</i>	3
ETME 4110: <i>Integrated Mechatronics Systems I</i>	3	Non-Western Culture	3
ETME 4120: <i>Applications of Thermal & Fluid Systems</i>	3		
	18		15

*Fine Arts and Humanities: 6 hours must be taken so that two different categories in FAH: Historical Understanding; Literature; Thought, Values & Beliefs; or Visual & Performing Arts are satisfied.

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
124 Total Hours		18-19 General Education Hours	
39 Upper Division (3000-4000) Hours		106 Program (Major) Hours	
32 Hours at UTC		Minor (<i>Not Required</i>)	
60 Hours at 4-year Institution		Electives (<i>Not Required</i>)	
		Foreign Language (<i>Not Required</i>)	