

[Please see the Courses section of this catalog for complete course descriptions.](#)

First Year – 29-30 Hours			
Fall Semester:		Spring Semester:	Hrs
PHYS 1030/1030L: <i>General Physics: Mechanics & Heat (Natural Science)</i>	4	CPSC 1100: <i>Fundamentals of Computer Science</i>	4
ETME 1100: <i>Electrical & Electronic Circuits</i>	3	ENME 1850: <i>Intro to Engineering Design</i>	2
ENGL 1010 or 1011 (<i>Rhetoric and Writing I</i>)	3-4	Behavioral and Social Science (ECON 1010 or 1020)	3
ENEE 1010: <i>Intro to Electrical Engineering</i>	3	Technical Elective	3
ENME 1011: <i>Intro to Two/Three-Dimensional Modeling</i>	1	Technical Elective	3
	14-15		15
Second Year – 31 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ETEM 1320: <i>Intro to Materials for Construction & Tech</i>	3	ETME 2150: <i>Manufacturing Processes</i>	3
ETME 2130: <i>Principles of Mechanical Systems</i>	3	Fine Arts and Humanities*	3
Technical Elective	3	Fine Arts and Humanities*	3
Technical Elective	3	Technical Elective	4
Technical Elective	3	Technical Elective	3
	15		16
Third Year – 32 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
ENGL 1020 or HIST 2100 (<i>Rhetoric and Writing II</i>)	3	ETME 3230: <i>Industrial Programming & Networking</i>	3
ETME 2100: <i>Intro to Mechatronics Engr Technology</i>	3	ENCE 3520: <i>Engineering Economy</i>	3
MATH 1950: <i>Calculus w Analytic Geometry I (Math)</i>	4	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</i>	4
ETCM 2010: <i>Industrial Safety & Risk Management</i>	3	ETME 3110: <i>Control Systems Technology</i>	3
	16		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 4500: <i>Engineering Management Design</i> or 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
127 Total Hours		33 General Education Hours	
39 Upper Division (3000-4000) Hours		95 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>)	