Please see the Courses section of this catalog for complete course descriptions.

First Year – 30-32 Hours					
Fall Semester:	Hrs	Spring Semester:	Hrs		
ENME 1011: Intro to Two/Three-Dimensional Modeling	1	ENCE 1040: Vector Statics	3		
ENME 1030/1030L: Basic Engineering Science/Lab	4	ENME 1850: Intro to Engineering Design	2		
MATH 1950: Calculus w Analytic Geometry I (Math)	4	MATH 1920: Calculus II (or MATH 1960)	3-4		
CHEM 1110/1110L: Gen. Chemistry I/Lab (Nat. Science)	4	MATH 2200: Elementary Linear Algebra	3		
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 or HIST 2100 (Rhetoric and Writing II)	3		
	16-17		14-15		
Second Year – 35-36 Hours					
Fall Semester:	Hrs	Spring Semester:	Hrs		
ENCE 2460/2460L: Mechanics of Materials/Lab	4	ENCE 2220: Probablity & Stats for Engineering (Stats)	3		
ENEE 2700: Electrical Circuits I	3	ENME 2240: Intro to Engineering Computations	3		
MATH 2450: Intro to Differential/Difference Equations	3	ENME 2480: Dynamics	3		
PHYS 2310/2310L: Principles of Physics - Electricity & Magnetism/Lab (Natural Science)	4	MATH 2550: Multivariable Calculus (or 2560)	3-4		
Behavioral and Social Science (ECON 1010)	3	Behavioral and Social Science (ECON 1020)	3		
		Fine Arts and Humanities*	3		
	17		18-19		
Third Year – 33 Hours					
Fall Semester:	Hrs	Spring Semester:	Hrs		
ENME/ENCH 3030: Thermodynamics	3	ENME 3580: Manufacturing Processes	3		
ENME 3400: Engineering Materials Science	3	ENCE 3520: Engineering Economy	3		
ENME 3070/3070L: Fluid Mechanics/Lab	4	ENMNE 3090: Heat & Mass Transfer	3		
ENME 3470: Mechanical Engineering Experimentation	2	ENME 3040: Mechanical Engineering Thermodynamics	3		
ENME 3480: Kinematics & Dynamics of Machinery I	3	Non-Western Culture	3		
ENEE 3700: Energy Conversion & Electronics	3				
	18		15		
Fourth Year – 30 Hours					
Fall Semester:	Hrs	Spring Semester:	Hrs		
ENME 3850: Interdisciplinary Design Project I	3	ENME 4850: Interdisciplinary Design Project II**	3		
ENME 4420: Machine Design	3	ENCH 3280/3280L: Control Systems/Lab	4		
ENME 4430: Thermal Component Design	3	ENME 4500: Mechanical Engineering Design Project	3		
ENME 4470: Mechanical Engr Experimentation Lab	2	Approved ENME Elective (4000 Level)	3		
Approved ENME Elective (4000 Level)	3	Fine Arts and Humanities*	3		
	14		16		

^{*}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.

^{**}Qualified students may substitute ENME 4995r or ENGR 4995r: *Departmental Thesis*.

Completed:				
Graduation Requirements:	Hrs	Degree Requirements:	Hrs	
128 Total Hours		21-22 General Education Hours		
39 Upper Division (3000-4000) Hours		107 Program (Major) Hours		
32 Hours at UTC		Minor (Not Required)		
60 Hours at 4-year Institution		Electives (Not Required)		
		Foreign Language (Not Required)		