Please refer to the Undergraduate Catalog for further program requirements and course descriptions.

First Year – 35-36 Hours				
Fall Semester:	Hrs	Spring Semester:	Hrs	
ENME 1030/1030L: Basic Engineering Science/Lab	4	ENCE 1040: Vector Statics	3	
CHEM 1110/1110L: General Chemistry I/Lab	4	CHEM 1120/1120L: General Chemistry II/Lab	4	
(Natural Science)				
MATH 1950: Calculus w/ Analytic Geometry I (Quantitative	4	MATH 1960: Calculus w/ Analytic Geometry II	4	
Reasoning)				
Writing and Communication	3-4	ENCH 1000: Introduction to Chemical Engineering	3	
Behavioral and Social Science	3	Writing and Communication	3	
	18-19		17	
Second Year – 34-35 Hours				
Fall Semester:	Hrs	Spring Semester:	Hrs	
ENCH 2240: Chemical Engineering Computations	3	ENCE 2220: Probability and Statistics for	3	
		Engineering (Quantitative Reasoning)		
CHEM 3010/3010L: Organic Chemistry I/Lab	4	CHEM 3020/3020L: Organic Chemistry II/Lab	4	
MATH 2200: Elementary Linear Algebra	3	MATH 2560: Calculus w/ Analytic Geometry III	4	
MATH 2450: Introduction to Differential/Difference Equations	3	Behavioral and Social Science	3	
PHYS 2310/2310L: Principles of Physics - Electricity and	4	Humanities and Fine Arts	3-4	
Magnetism/Lab (Natural Science)				
	17		17-18	
Third Year – 34 Hours				
Fall Semester:	Hrs	Spring Semester:	Hrs	
ENCE 3520: Engineering Economy	3	ENCH 3040: Chemical Thermodynamics	3	
ENCH/ENME 3030: Thermodynamics	3	ENCH 3280/3280L: Control Systems /Lab	4	
ENCH 3310: Chemical Process Principles	3	ENCH 3320: Heat Transfer Processes	3	
ENCH 3350: Unit Operations Laboratory	1	ENME 3070/3070L: Fluid Mechanics/Lab	4	
ENME 3400: Engineering Materials Science	3	Approved Junior Technical Elective	4	
CHEM 3710: Physical Chemistry: Thermodynamics and	3			
Kinetics	3			
	16		18	
Fourth Year – 30-32 Hours				
Fall Semester:	Hrs	Spring Semester:	Hrs	
ENCH 4290: Intro to Chemical Engineering Design	3	ENCH 4300: Chemical System Design	3	
ENCH 4320: Fractional Distillation Separation Processes	3	ENCH 4340: Chemical Kinetics and Reactor Design	3	
ENCH 4330: Chemical Process Operations	3	Approved Senior Technical Elective	3	
ENCH 4350: Chemical Processes Lab	2	Humanities and Fine Arts	3-4	
Approved Junior Technical Elective	4	Individual and Global Citizenship	3-4	
	15	· ·	15-17	

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
128 Total Hours		21-25 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		112 Program (Major) Hours	
32 Hours at UTC		Minor (Not Required)	
45 Hours at 4-year Institution		Elective Hours (Not Required)	
		Foreign Language (Not Required)	