<u>Please see the Courses section of this catalog for complete course descriptions.</u>

First Year – 30-31 Hours				
Fall Semester:	Hrs	Spring Semester:	Hrs	
CHEM 1110/1110L: General Chemistry I/Lab (Nat Sci)	4	CHEM 1120/1120L: General Chemistry II/Lab (Nat Sci)	4	
MATH 1950: Calculus w Analytic Geometry I (Math)	4	MATH 1960: Calculus w Analytic Geometry II	4	
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 (Rhetoric and Writing II)	3	
FAH: Historical Understanding	3	Non-Western Culture	3	
STEM 1030: Step One/Two: Inquiry-Based Math &	2			
Science Teaching			_	
	16-17		14	
Second Year – 32-33 Hours	1	To a second	1	
Fall Semester:	Hrs	Spring Semester:	Hrs	
STEM 2010: Knowing and Learning	3	STEM 2020: Classroom Interactions	3	
PHYS 2300/2300L: Principles of Physics - Mechanics and Heat/Lab	4	PHYS 2310/2310L: Principles of Physics: Electricity and Magnetism/Lab	4	
ENGL 2820: Scientific Writing	3	PHYS 2320/2320L: Prinicples of Physics: Optics and Modern Physics/Lab	4	
MATH 2200: Elementary Linear Algebra	3	MATH 2450: Intro to Differential/Difference Equations	3	
Behavioral and Social Science	3			
	16		14	
Third Year – 33 Hours				
Fall Semester:	Hrs	Spring Semester:	Hrs	
STEM 3010: Perspectives on Science & Math	3	STEM 3020: Research Methods in Science	3	
PHYS 3410/3410L: Classical Mechanics/Lab	4	PHYS 3420/3420L: Electricity & Magnetism/Lab	4	
MATH 2550: Multivariable Calculus	3	PHYS 3990: Methods of Experimental Physics II	3	
PHYS/ASTR Elective (3000-4000 Level)	4	MATH 2100: Introductory Statistics (Statistics)	3	
Behavioral and Social Science	3	FAH: Literature	3	
	17		16	
Fourth Year – 27 Hours				
Fall Semester:	Hrs	Spring Semester:	Hrs	
STEM 4010: Project-Based Instruction	3	STEM 4020: Apprentice Teaching	6	
PHYS 4110: Intro to Quantum Mechanics	3	PHYS 4000r: Physics Seminar	1	
PHYS 3980: Methods of Experimental Physics I	3	PHYS/ASTR Elective (3000-4000 Level)	4	
PHYS/ASTR Elective (3000-4000 Level)	4	FAH: Visual and Performing Arts	3	
FAH: Thought, Values and Beliefs	3			
	16		14	

Completed:				
Graduation Requirements:	Hrs	Degree Requirements:	Hrs	
123 Total Hours		27-28 General Education Hours		
39 Upper Division (3000-4000) Hours*		96 Program (Major) Hours		
30 Hours at UTC		Minor (Not Required)		
60 Hours at 4-year Institution		Elective Hours (Not Required)		
		Foreign Language (Not Required)		