

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

First Year – 33-36 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
CHEM 1110/1110L: <i>General Chemistry I/Lab</i> (Natural Science)	4	STEM 1030: <i>Step One/Two: Inquiry-Based Math & Science Teaching</i>	2
MATH 1950: <i>Calculus w/ Analytic Geometry I</i> (Quantitative Reasoning)	4	CHEM 1120/1120L: <i>General Chemistry II/Lab</i> (Natural Science)	4
Writing and Communication (ENGL 1010 or 1011)	3-4	MATH 1960: <i>Calculus w/ Analytic Geometry II</i>	4
Behavioral and Social Science	3	Writing and Communication (ENGL 1020)	3
Humanities and Fine Arts	3-4	Individual and Global Citizenship	3-4
	17-19		16-17
Second Year – 31-32 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 2010: <i>Knowing and Learning</i>	3	STEM 2020: <i>Classroom Interactions</i>	3
PHYS 2300/2300L: <i>Principles of Physics - Mechanics and Heat/Lab</i>	4	PHYS 2310/2310L: <i>Principles of Physics: Electricity and Magnetism/Lab</i>	4
MATH 2200: <i>Elementary Linear Algebra</i>	3	PHYS 2320/2320L: <i>Principles of Physics: Optics and Modern Physics/Lab</i>	4
Behavioral and Social Science	3	MATH 2560: <i>Calculus w/ Analytic Geometry III</i>	4
Humanities and Fine Arts	3-4		
	16-17		15
Third Year – 33-34 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 3010: <i>Perspectives on Science and Math</i>	3	STEM 3020: <i>Research Methods in Science</i>	3
PHYS 3410/3410L: <i>Classical Mechanics/Lab</i>	4	PHYS 3420/3420L: <i>Electricity & Magnetism/Lab</i>	4
PHYS 3980: <i>Methods of Experimental Physics I</i>	3	PHYS 4110: <i>Intro to Quantum Mechanics</i>	3
MATH 2450: <i>Intro to Differential and Difference Equations</i>	3	MATH 2100: <i>Introductory Statistics</i> (Quantitative Reasoning)	3
PHYS/ASTR Elective (3000-4000 Level)	4	Humanities and Fine Arts	3-4
	17		16-17
Fourth Year – 28-29 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 4010: <i>Project-Based Instruction</i>	3	STEM 4020R: <i>Apprentice Teaching</i>	10
EDUC 4170: <i>Technology and Learning</i>	3	EDUC 4420: <i>Professional Seminar</i>	2
PHYS 3990: <i>Methods of Experimental Physics II</i>	3		
PHYS/ASTR Elective (3000-4000 Level)	4		
Humanities and Fine Arts	3-4		
	16-17		12

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
125 Total Hours		27-33 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		98 Program (Major) Hours	
30 Hours at UTC		Minor (<i>Not Required</i>)	
45 Hours at 4-year Institution		Elective Hours (<i>Not Required</i>)	
		Foreign Language (<i>Not Required</i>)	