

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

First Year – 29-32 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
MATH 1950: <i>Calculus w/ Analytic Geometry I</i> (Quantitative Reasoning)	4	STEM 1030: <i>Step One/Two: Inquiry-Based Math and Science Teaching</i>	2
CPSC 1100: <i>Fundamental of Computer Science</i>	4	MATH 1960: <i>Calculus w/ Analytic Geometry II</i>	4
Writing and Communication (ENGL 1010 or 1011)	3-4	MATH 2200: <i>Elementary Linear Algebra</i>	3
Behavioral and Social Science	3	Writing and Communication (ENGL 1020)	3
Elective	0-1	Humanities and Fine Arts	3-4
	14-16		15-16
Second Year – 33-34 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 2010: <i>Knowing and Learning</i>	3	STEM 2020: <i>Classroom Interactions</i>	3
MATH 2300: <i>Mathematical Models, Functions & Applications</i>	3	MATH 3000: <i>Intro to Logic and Proof</i>	3
MATH 2450: <i>Intro to Differential and Difference Equations</i>	3	MATH 2560: <i>Calculus w/ Analytical Geometry III</i>	4
PHYS 1030/1030L: <i>Gen Physics - Mechanics and Heat/Lab</i> or PHYS 2300/2300L: <i>Principles of Physics - Mechanics and Heat/Lab</i> (Natural Science)	4	PHYS 1040/1040L: <i>Gen Physics - Electromagnetism and Optics/Lab</i> or PHYS 2310/2310L: <i>Principles of Physics - Electricity and Magnetism</i> (Natural Science)	4
Humanities and Fine Arts	3-4	Behavioral and Social Science	3
	16-17		17
Third Year – 30-32 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
MATH 3100: <i>Applied Statistics</i> or MATH 4130: <i>Intro to Probability and Statistics</i> (Quantitative Reasoning)*	3	MATH 3820: <i>Communicating Mathematics</i>	3
MATH 3250: <i>Intro to Modern Algebra</i> or MATH 4200: <i>Linear Algebra and Matrix Theory</i>	3	MATH 4010: <i>Basic Concepts of Geometry</i>	3
MATH Elective (3000-4000 Level)	3	MATH Elective (3000-4000 Level) or MATH 4140: <i>Mathematical Statistics</i> (Quantitative Reasoning)*	3
Humanities and Fine Arts	3-4	Individual and Global Citizenship	3-4
	15-16		15-16
Fourth Year – 27-28 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 4010: <i>Project-Based Instruction</i>	3	STEM 4020r: <i>Apprentice Teaching</i> **	12
MATH 3510: <i>Intro to Analysis I</i>	3		
EDUC 4170: <i>Technology and Learning</i>	3		
MATH Elective (3000-4000 Level)	3		
Humanities and Fine Arts	3-4		
	15-16		12

*Must take either a) MATH 3100 and 9 credit hours of MATH Electives (3000-4000 level) or b) MATH 4130 and MATH 4140 with 6 credit hours of MATH Electives (3000-4000 level). *Either MATH 3100 or MATH 4140 will fulfill the Quantitative Reasoning requirement.*

** Includes professional seminar

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
120 Total Hours		27-33 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		92 Program (Major) Hours	
30 Hours at UTC		Minor (<i>Not Required</i>)	
45 Hours at 4-year Institution		0-1 Elective Hours	
		Foreign Language (<i>Not Required</i>)	