

[Please see the Courses section of this catalog for complete course descriptions.](#)

First Year – 30-32 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
MATH 1950: <i>Calculus w Analytic Geometry I</i> (Math)	4	MATH 1960: <i>Calculus w Analytic Geometry II</i>	4
CPSC 1100: <i>Fundamental of Computer Science</i>	4	MATH 2200: <i>Elementary Linear Algebra</i>	3
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 or HIST 2100 (Rhetoric and Writing II)	3
STEM 1030: <i>Step One/Two: Inquiry-Based Math & Science Teaching</i>	2	Behavioral and Social Science	3
		FAH: Historical Understanding	3
	13-14		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 2560: <i>Calculus w Analytical Geometry III</i>	4
MATH 2450: <i>Intro to Differential/Difference Equations</i>	3	MATH 3000: <i>Intro to Logic and Proof</i>	3
PHYS 1030/1030L: <i>Gen Physics - Mechanics & Heat/Lab</i> or PHYS 2300/2300L: <i>Principles of Physics - Mechanics & Heat/Lab</i> (Natural Science)	4	PHYS 1040/1040L: <i>Gen Physics - Eletromagnetism & Optics/Lab</i> or PHYS 2310/2310L: <i>Principles of Physics - Electricity & Magnetism</i> (Natural Science)	4
FAH: Literature	3	Behavioral and Social Science	3
	16		17
Third Year – 35 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 3010: <i>Perspectives on Science & Math</i>	3	STEM 3020: <i>Research Methods in Science</i>	3
MATH 3250: <i>Intro to Modern Algebra</i> or 4200: <i>Linear Algebra and Matrix Theory</i>	3	MATH 4010: <i>Basic Concepts of Geometry</i>	3
MATH 3100: <i>Applied Statistics</i> or 4130: <i>Intro to Probability and Statistics</i> (Statistics)*	3	MATH Elective or MATH 4140: <i>Mathematical Statistics</i> (Statistics)*	3
FAH: Thought, Values and Beliefs	3	MATH 3820: <i>Communicating Math</i>	3
Elective	3	Non-Western Culture	3
	15		15
Fourth Year – 25-26 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 4010: <i>Project-Based Instruction</i>	3	STEM 4020: <i>Apprentice Teaching</i>	6
MATH 3510: <i>Intro to Analysis I</i>	3	MATH Elective (3000-4000 Level)	3
EDUC 4170: <i>Technology & Learning</i>	3	Elective	3
MATH Elective (3000-4000 Level)	3	Elective	0-1
FAH: Visual and Performing Arts	3		
	15		12-13

*Must take either a) MATH 3100 and a MATH Elective or b) MATH 4130 and 4140. Either MATH 3100 or 4140 will fulfill the General Education Statistics requirement.

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
120 Total Hours		27-28 General Education Hours	
39 Upper Division (3000-4000) Hours*		86 Program (Major) Hours	
30 Hours at UTC		Minor (<i>Not Required</i>)	
60 Hours at 4-year Institution		6-7 Elective Hours	
		Foreign Language (<i>Not Required</i>)	