

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

First Year – 30-34 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
BIOL 1110/1110L: <i>Principles of Biology I/Lab</i> (Natural Science)	4	BIOL 1120/1120L: <i>Principles of Biology II/Lab</i> (Natural Science)	4
CHEM 1110/1110L: <i>General Chemistry I/Lab</i>	4	CHEM 1120/1120L: <i>General Chemistry II/Lab</i>	4
MATH 1130: <i>College Algebra</i> or MATH 1730: <i>Combined Precalculus</i> (Quantitative Reasoning)	3-4	MATH 1830: <i>Calculus for Management, Life, and Social Sciences</i> or MATH 1950: <i>Calculus with Analytic Geometry I</i> (Quantitative Reasoning)	3-4
Writing and Communication (ENGL 1010 or 1011)	3-4	STEM 1030: <i>Step One/Two: Inquiry-Based Math and Science Teaching</i>	2
		Writing and Communication (ENGL 1020)	3
		Elective (MATH 1799)	0-1
	14-16		16-18
Second Year – 31-34 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 2010: <i>Knowing and Learning</i>	3	STEM 2020: <i>Classroom Interactions</i>	3
BIOL 1130: <i>Principles of Biology III</i>	3	BIOL 3250: <i>Genetics</i>	3
CHEM 3010/3010L: <i>Organic Chemistry I/Lab</i>	4	BIOL 3350: <i>Evolution</i>	3
Humanities and Fine Arts	3-4	Humanities and Fine Arts	3-4
Behavioral and Social Science	3	Humanities and Fine Arts	3-4
	16-17		15-17
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 1030/1030L: <i>General Physics - Mechanics and Heat/Lab</i> or GEOL 1120/1120L: <i>Historical Geology/Lab</i>	4	BIOL Elective (4000 level)	4
BIOL 3060: <i>Ecology</i>	3	BIOL Elective (4000 level)	4
MATH 2100: <i>Introductory Statistics</i>	3	Individual and Global Citizenship	3-4
EDUC 4170: <i>Technology and Learning</i>	3	Behavioral and Social Science	3
	16		17-18
Fourth Year – 30-31 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
STEM 4010: <i>Project-Based Instruction</i>	3	STEM 4020r: <i>Apprentice Teaching</i> *	12
BIOL Elective (4000 level)	4		
BIOL Elective (4000 level)	4		
Biology Elective (2000-4000 Level)	4		
Humanities and Fine Arts	3-4		
	18-19		12

*Includes EDUC 4420: *Professional Seminar* requirement

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
124 Total Hours		27-33 General Education Hours	
39 Upper Division (3000-4000) Hours*		97-99 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>)	