

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

First Year – 30-32 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
BIOL 1110/1110L: <i>Principles of Biology I/Lab</i> (Nat Sci)	4	BIOL 1120/1120L: <i>Principles of Biology II/Lab</i> (Nat Sci)	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 1710 or 1720 or 1730) (Mathematics)	3-4	MATH 1830: <i>Calculus for Management, Life and Social Sciences</i> (or 1950)	3-4
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		
	14-16		14-15
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
BIOL 1130: <i>Principles of Biology III</i>	3	BIOL 3250/3260: <i>Genetics/Lab</i>	4
CHEM 3010/3010L: <i>Organic Chemistry I/Lab</i>	4	CHEM 3020/3020L: <i>Organic Chemistry II/Lab</i>	4
FAH: Historical Understanding	3	BIOL 3350: <i>Evolution</i>	3
Behavioral and Social Science	3	FAH: Literature	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
PHYS 1030/1030L: <i>General Physics - Mechanics & Heat/Lab</i> or GEOL 1110/1110L: <i>Physical Geology/Lab</i>	4	PHYS 1040/1040L: <i>General Physics -Electromagnetism & Optics/Lab</i> or GEOL 1120/1120L: <i>Hist. Geology/Lab</i>	4
BIOL 3060/3070: <i>Ecology/Lab</i>	4	BIOL 4220: <i>Principles of Microbiology</i>	4
MATH 2100: <i>Introductory Statistics</i> (Statistics)	3	Approved Zoology Survey Elective	4
EDUC 4170: <i>Technology & Learning</i>	3	Non-Western Culture	3
	17		18
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
Approved Botany Survey Elective	4	Biology Elective	3
Approved Advanced Ecology/Evolution Elective	3-4	Behavioral and Social Science	3
FAH: Thought, Values and Beliefs	3	FAH: Visual and Performing Arts	3
	13-14		15

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
126 Total Hours		27-28 General Education Hours	
39 Upper Division (3000-4000) Hours*		99-102 Program (Major) Hours	
30 Hours at UTC		Minor (<i>Not Required</i>)	
60 Hours at 4-year Institution		Elective (<i>Not Required</i>)	
		Foreign Language (<i>Not Required</i>)	