

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

First Year – 34-35 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
Approved Introductory Geology Course* (Natural Science)	4	CHEM 1120/1120L: <i>General Chemistry II/Lab</i>	4
CHEM 1110/1110L: <i>General Chemistry I/Lab</i> (Natural Science)	4	GEOL 1120/1120L: <i>Historical Geology/Lab</i>	4
MATH 1730: <i>Combined Precalculus</i> or MATH 1950: <i>Calculus with Analytic Geometry</i> (Quantitative Reasoning)	4	MATH 2100: <i>Introductory Statistics</i> (Quantitative Reasoning)	3
Writing and Communication (ENGL 1010 or 1011)	3-4	STEM 1030: <i>Step One/Two: Inquiry-Based Mathematics and Science Teaching</i>	2
Behavioral and Social Science	3	Writing and Communication (ENGL 1020)	3
	18-19		16
Second Year – 31-36 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
BIOL 1110/1110L: <i>Principles of Biology I/Lab</i> , PHYS 1030/1030L: <i>General Physics - Mechanics and Heat/Lab</i> , or PHYS 2300/2300L: <i>Principles of Physics - Mechanics and Heat/Lab</i>	4	BIOL 1120/1120L: <i>Principles of Biology II/Lab</i> , PHYS 1040/1040L: <i>General Physics - Electromagnetism and Optics/Lab</i> , or PHYS 2310/2310L: <i>Principles of Physics - Electricity and Magnetism/Lab</i>	4
GEOL 2100/2100L: <i>Introductory Geographic Information Systems and Remote Sensing/Lab</i>	4	GEOL 2200: <i>Global Climate Change: Past, Present, and Future</i>	3
GEOL 3410/3410L: <i>Mineralogy/Lab</i>	4	STEM 2020: <i>Classroom Interactions</i>	3
STEM 2010: <i>Knowing and Learning</i>	3	Humanities and Fine Arts	3-4
Humanities and Fine Arts	3-4	Elective	0-3
	18-19		13-17
Third Year – 33-36 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
GEOL 2250: <i>Oceanography</i>	3	ASTR 1010/1010L: <i>Introduction to Astronomy - The Solar System/Lab</i>	4
GEOL 4510/4510L: <i>Structural Geology/Lab</i>	4	GEOL 3070: <i>Geology of Tennessee</i>	3
STEM 3010: <i>Perspectives on Science and Mathematics</i>	3	GEOL 3540/3540L: <i>Sedimentology and Stratigraphy/Lab</i>	4
Humanities and Fine Arts	3-4	STEM 3020: <i>Research Methods in Science</i>	3
Humanities and Fine Arts	3-4	Individual and Global Citizenship	3-4
	16-18		17-18
Fourth Year – 27 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
EDUC 2170: <i>Technology and Learning</i>	1	EDUC 4420: <i>Professional Seminar</i>	2
GEOL 4080: <i>Earth Surface Processes</i>	4	STEM 4020: <i>Apprentice Teaching</i>	10
GEOL Senior Research Experience (4000 Level)	4		
STEM 4010: <i>Project-Based Instruction</i>	3		
Behavioral and Social Science	3		
	15		12

*GEOL 1025, 1030, or 1110 with GEOL 1110L or GEOL 1040 with GEOL 1105L

Completed:			
<i>Graduation Requirements:</i>	Hrs	<i>Degree Requirements:</i>	Hrs
128 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		0-3 Elective Hours	
		Foreign Language (<i>Not Required</i>)	