

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

First Year – 28-31 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
BIOL 1110/1110L: <i>Principles of Biology 1/Lab</i> or ESC 1500/1500L: <i>Introduction to Environmental Science 1/Lab</i> (Natural Science)	4	CHEM 1110/1110L: <i>General Chemistry 1/Lab</i>	4
Introductory Geology Course (Natural Science)*	4	GEOL 1120/1120L: <i>Historical Geology/Lab</i>	4
MATH 1730: <i>Precalculus</i> , MATH 1830: <i>Calculus for Management, Life, and Social Sciences</i> , or MATH 1950: <i>Calculus with Analytic Geometry 1</i> (Quantitative Reasoning)	3-4	Writing and Communication (ENGL 1020)	3
Writing and Communication (ENGL 1010 or 1011)	3-4	Humanities and Fine Arts	3-4
	14-16		14-15
Second Year – 28-30 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
GEOL 2100/2100L: <i>Introductory Geographic Information Systems and Remote Sensing/Lab</i>	4	ENGL 2810: <i>Technical Writing</i> or ENGL 2820: <i>Scientific Writing</i>	3
GEOL 3410: <i>Mineralogy</i>	4	Approved Science with Lab to complete sequence**	4
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	Quantitative Reasoning	3-4
Behavioral and Social Sciences	3	Humanities and Fine Arts	3-4
	15		13-15
Third Year – 31-34 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
GEOL 4510: <i>Structural Geology</i>	4	GEOL Elective (2000-4000 Level)***	3
Humanities and Fine Arts	3-4	GEOL 4530: <i>Geographic Information Systems for Geoscientists</i>	4
Humanities and Fine Arts	3-4	Elective	4
Individual and Global Citizenship	3-4	Elective	4
Elective (3000-4000 Level)	3		
	16-19		15
Fourth Year – 25-33 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
GEOL 3540: <i>Sedimentology and Stratigraphy</i>	4	GEOL 4080: <i>Geomorphology</i>	4
GEOL Elective (2000-4000 Level)***	2	GEOL 4450: <i>Hydrology</i> , GEOL 4490: <i>Hydrologic Modeling</i> , or 4000 Level Geospatial Technology Elective	4
Capstone Research (4000 Level)	4	GEOL 4550: <i>Remote Sensing for Geoscientists</i>	4
Behavioral and Social Sciences	3	Elective	0-4
Elective	0-4		
	13-17		12-16

*GEOL 1025, 1030, or 1110 with GEOL 1110L or GEOL 1040, 2200, or 2250 with GEOL 1105L

**BIOL 1120/1120L, ESC 1510/1510L, CHEM 1120/1120L, PHYS 1040/1040L, or PHYS 2310/2310L

***If taken at the 2000 level, additional upper division electives are required.

Students must have completed a minimum of 30 hours of Geology coursework to take licensure exam.

Completed:			
<i>Graduation Requirements:</i>	Hrs	<i>Degree Requirements:</i>	Hrs
120 Total Hours		30-37 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		72 Program (Major) Hours	
30 Hours at UTC		Minor (<i>Not Required</i>)	
45 Hours at 4-year Institution		11-19 Elective Hours	
		Foreign Language (<i>Not Required</i>)	