

***Environmental Science: Biodiversity, Conservation, and Natural Resources, B.S.***

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

<b>First Year – 28-31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ESC 1500/1500L: <i>Introduction to Env. Sci. I/Lab</i> (Natural Science)	4	ESC 1510/1510L: <i>Introduction to Env. Sci. II/Lab</i> (Natural Science)	4
BIOL 1110/1110L: <i>Principles of Biology I/Lab</i>	4	BIOL 1120/1120L: <i>Principles of Biology 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 w/ Analytic Geometry I</i> (Quantitative Reasoning)	3-4
Writing and Communication (ENGL 1010 or 1011)	3-4	Writing and Communication (ENGL 1020)	3
	14-16		14-15
<b>Second Year – 34-35 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
BIOL 3060/3070: <i>Ecology/Lab</i>	4	BIOL 1130: <i>Principles of Biology III</i>	3
CHEM 1110/1110L: <i>General Chemistry I/Lab</i>	4	CHEM 1120/1120L: <i>General Chemistry II/Lab</i>	4
GEOL 2100/2100L: <i>Introductory Geographic Information Systems and Remote Sensing/Lab</i>	4	ESC 2500: <i>World Resources</i> , GEOL 2250: <i>Oceanography</i> or 2200: <i>Global Climate Change: Past, Present, &amp; Future</i>	3
MATH 2100: <i>Introductory Statistics</i>	3	ENGL 2820: <i>Scientific Writing*</i>	3
Individual and Global Citizenship	3-4	Behavioral and Social Science	3
	18-19		16
<b>Third Year – 27-30 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
Approved Organismal Biology Elective (4000 Level)	4	ESC 3400/3400L: <i>Environmental Survey Methods</i> , 3600: <i>Air and Water Pollution Control</i> , 4520/4520L: <i>Limnology and Reservoir Eco/Lab</i> , or 4650: <i>Remote Sensing and Imagery Analysis</i>	3-4
BIOL 3250: <i>Genetics</i>	3	BIOL 3350: <i>Evolution</i>	3
CHEM 3210/3210L: <i>Quantitative Analysis/Lab</i>	4	Approved Adv. Topics Elective (3000-4000 Level)	3-4
Humanities and Fine Arts	3-4	Approved Organismal Biology Elective (4000 Level)	4
	14-15		13-15
<b>Fourth Year – 27-35 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
Approved Senior Experience	2	ESC 4100: <i>Environmental Law and Agencies</i>	3
Approved Organismal Biology Elective (4000 Level)	4	ESC 4840: <i>Values and the Environment</i>	3
Approved Adv. Topics Elective (3000-4000 Level)	3-4	Humanities and Fine Arts	3-4
Humanities and Fine Arts	3-4	Behavioral and Social Science	3
Humanities and Fine Arts	3-4	Elective	0-4
	15-18		12-17

\*Students can substitute ESC 4995r: *Departmental Thesis* for ENGL 2820.

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
120 Total Hours		27-33 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		89-94 Program (Major) Hours	
30 Hours at UTC		Minor ( <i>Not Required</i> )	
45 Hours at 4-year Institution		0-4 Elective Hours	
		Foreign Language ( <i>Not Required</i> )	