

**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 – 31-34 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ESC 1500/1500L: <i>Intro to Environmental Science I/Lab</i> (Natural Science)	4	ESC 1510/1510L: <i>Intro to Environmental Science 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 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 (Rhetoric and Writing II)	3
		Behavioral and Social Science	3
	14-16		17-18
<b>Second Year – 31 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
CHEM 1110/1110L: <i>General Chemistry I/Lab</i>	4	CHEM 1120/1120L: <i>General Chemistry II/Lab</i>	4
BIOL 3060/3070: <i>Ecology/Lab</i>	4	BIOL 1130: <i>Principles of Biology III</i>	3
MATH 2100: <i>Intro to Statistics</i> (Statistics)	3	GEOL 2100: <i>Intro. Geo. Info Systems &amp; Remote Sensing</i>	3
Non-Western Culture	3	GEOL 2250/2250L: <i>Oceanography/Lab</i> or ESC 2500: <i>World Resources</i>	3
		ENGL 2820: <i>Scientific Writing *</i>	3
	14		16
<b>Third Year – 27-32 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
CHEM 3210/3210L: <i>Quantitative Analysis/Lab</i>	4	Elective	0-3
BIOL 3250: <i>Genetics</i>	3	ESC 3400/3400L: <i>Env. Survey Methods</i> , 3600: <i>Air/Water Pollution Control</i> , 4520: <i>Remote Sensing &amp; Imagry Analysis</i> or 4520/4520L: <i>Limnology &amp; Reservoir Eco/Lab</i>	3-4
Approved BIOL Survey Elective (4000 Level)	4	BIOL 3350: <i>Evolution</i>	3
FAH: Historical Understanding	3	Approved Adv. Topics Elective (3000-4000 Level)	3-4
		Approved BIOL Survey Elective (4000 Level)	4
	14		13-18
<b>Fourth Year – 27-30 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 BIOL Survey Elective (4000 Level)	4	ESC 4840: <i>Values and the Environment</i>	3
Approved Adv. Topics Elective (3000-4000 Level)	3-4	FAH: Visual and Performing Arts	3
FAH: Literature	3	Behavioral and Social Science	3
FAH: Thought, Values and Beliefs	3	Elective	0-2
	15-16		12-14

\*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		27-28 General Education Hours	
39 Upper Division (3000-4000) Hours		92-97 Program (Major) Hours	
30 Hours at UTC		Minor ( <i>Not Required</i> )	
60 Hours at 4-year Institution		Elective Hours ( <i>Not Required</i> )	
		Foreign Language ( <i>Not Required</i> )	