

Environmental Science: Environmental Health, B.S.

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

First Year – 28-31 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
BIOL 1110/1110L: <i>Principles of Biology I/Lab</i> (Natural Science)	4	BIOL 1120/1120L: <i>Principles of Biology II/Lab</i> (Natural Science)	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 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
Second Year – 33-34 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
BIOL 1130: <i>Principles of Biology III</i>	3	BIOL 3060/3070: <i>Ecology/Lab</i>	4
CHEM 3010/3010L: <i>Organic Chemistry I</i>	4	CHEM 3020/3020L: <i>Organic Chemistry II</i>	4
ESC 1500/1500L: <i>Introduction to Environmental Science I/Lab</i>	4	ESC 1510/1510L: <i>Introduction to Environmental Science II/Lab</i>	4
ENGL 2820: <i>Scientific Writing*</i>	3	Humanities and Fine Arts	3-4
GEOL 2100/2100L: <i>Introductory Geographic Information Systems and Remote Sensing/Lab</i>	4		
	18		15-16
Third Year – 29-33 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
Approved Environmental Health Elective (3000-4000 Level)	3-4	Approved Environmental Health Elective (3000-4000 Level)	3-4
BIOL 3250: <i>Genetics</i>	3	BIOL 3350: <i>Evolution</i>	3
CHEM 3210/3210L: <i>Quantitative Analysis/Lab</i>	4	BIOL 4220: <i>Principles of Microbiology</i>	4
ESC 3400/3400L: <i>Environmental Survey Methods</i> or ESC 3600: <i>Air and Water Pollution Control</i>	3-4	Humanities and Fine Arts	3-4
MATH 2100: <i>Introductory Statistics</i>	3		
	16-18		13-15
Fourth Year – 26-34 Hours			
Fall Semester:	Hrs	Spring Semester:	Hrs
Approved Environmental Health Elective (3000-4000 Level)	3-4	ESC 4100: <i>Environmental Law and Agencies</i>	3
Approved Senior Experience	2	ESC 4840: <i>Values and the Environment</i>	3
Behavioral and Social Science	3	Behavioral and Social Science	3
Humanities and Fine Arts	3-4	Humanities and Fine Arts	3-4
Individual and Global Citizenship	3-4	Elective	0-4
	14-17		12-17

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

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
120 Total Hours		27-33 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		89-95 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>)	