

BACHELOR OF SCIENCE, MAJOR IN ENVIRONMENTAL SCIENCE (POLLUTION ABATEMENT)

Code	Title	Hours
Bachelor of Science, Major in Environmental Science (Pollution Abatement)		
Core Curriculum		
	Component Area I (Communication)	6
	Component Area II (Mathematics) ¹	3
	Component Area III (Life and Physical Science)	8
	Component Area IV (Language, Philosophy, and Culture) ²	3
	Component Area V (Creative Arts)	3
	Component Area VI (U.S. History)	6
	Component Area VII (Political Science/Government)	6
	Component Area VIII (Social and Behavioral Sciences) ³	3
	Component Area IX (Component Area Option) ⁴	4
Degree Specific Requirements		
PLSC 3440	Soil Science	4
BIOL 1401	Environmental Science	4
BIOL 1411	General Botany	4
BIOL 1413	General Zoology	4
BIOL 3409	General Ecology	4
BIOL 4374	Biostatistics	3
BIOL 4330	Aquatic Biology	3
CHEM 1411	General Chemistry I	4
CHEM 1412	General Chemistry II	4
CHEM 2323 & CHEM 2123	Organic Chemistry I: Lecture and Organic Chemistry I Lab	4
CHEM 2325 & CHEM 2125	Organic Chemistry II: Lecture and Organic Chemistry II: Lab	4
GEOG 1401	Weather and Climate ⁵	4
GEOL 1403	Physical Geology ⁵	4
GEOL 3326	Environmental Geology	3
GEOG 4331	Conservation of Natural Res	3
STAT 1369	Elementary Statistics	3
MATH 1420	Calculus I ⁶	4
ECON 3352	Energy & Environmental Econ	3
PHIL 3372	Philosophy of Science	3
POLS 3395	Environmental Policy	3
SOCI 3336	Social Change And Development	3
Prescribed Electives		
Choose 11-15 hours		15
AGET 3383	Soil & Water Conservation Engr	
PLSC 4330	Soil Fertility Mgt Fertilizers	
PLSC 4370	Forage Crops & Pasture Mgmt	
PLSC 4397	Integrated Pest Management	
BIOL 2420	Intro Applied Microbiology	
BIOL 3470	General Microbiology	
BIOL 4320	Environmental Toxicology	
BIOL 3461	Wildlife Biology	
CHEM 3368	Environmental Chemistry	
CHEM 4442	Air Quality	

GEOG 4357	Population Geography
GEOG 4432	Geomorphology
GEOG 4468	Remote Sensing
GEOL 4426	Hydrogeology
PHIL 4306	Philosophy of Biology
SOCI 3336	Social Change And Development
SOCI 4337	Environment And Society

Total Hours 120

¹ MATH 1420 suggested.

² ECON 2301 suggested.

³ SOCI 1301 suggested.

⁴ GEOG 2355 or GEOG 2356 suggested.

⁵ Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).

⁶ Satisfies 3 semester credit hours of the Core Curriculum requirement for Component Area II (Mathematics) and 1 semester credit hour for Core Curriculum Component Area IX.

First Year

Fall	Hours Spring	Hours
Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv) ¹	3 BIOL 1401	4
GEOG 1401 ²	4 BIOL 1411	4
HIST 1301 ³	3 ENGL 1301 ⁵	3
MATH 1420 (If eligible) ⁴	4 HIST 1302 ³	3
	14	14

Second Year

Fall	Hours Spring	Hours
Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii) ⁶	3 BIOL 1413	4
CHEM 1411	4 CHEM 1412	4
ENGL 1302 ⁵	3 PLSC 3440	4
GEOL 1403 ²	4 POLS 2306 ⁷	3
POLS 2305 ⁷	3	
	17	15

Third Year

Fall	Hours Spring	Hours
BIOL 3409	4 BIOL 4330	3
BIOL 4374	3 CHEM 2325 & CHEM 2125	4
CHEM 2323 & CHEM 2123	4 ECON 3352	3
GEOL 3326	3 PHIL 3372	3
	STAT 1369	3
	14	16

Fourth Year

Fall	Hours Spring	Hours
Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3 Advanced Elective (Environmental Science) ⁹	9
Component Area IX ⁸	3 GEOG 4331	3
Advance Elective (Environmental Science) ⁹	6 SOCI 3336	3

POLS 3395	3	
	15	15

Total Hours: 120

- 1 SOCI 2319 suggested.
- 2 Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).
- 3 Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
- 4 Satisfies 3 semester credit hours of the Core Curriculum requirement for Component Area II (Mathematics) and 1 semester credit hour for Core Curriculum Component Area IX.
- 5 Satisfies Core Curriculum requirement for Component Area I (Communication).
- 6 ECON 2301 suggested.
- 7 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
- 8 GEOG 2355 or GEOG 2356 suggested.
- 9 See, Advance Electives (Environmental Science) list below.

Code	Title	Hours
Advance Electives (Environmental Science)		
GEOL 4426	Hydrogeology	4
GEOG 4331	Conservation of Natural Res	3
GEOG 4357	Population Geography	3
GEOG 4432	Geomorphology	4
GEOG 4468	Remote Sensing	4
PLSC 3440	Soil Science	4
PLSC 4330	Soil Fertility Mgt Fertilizers	3
PLSC 4370	Forage Crops & Pasture Mgmt	3
PLSC 4397	Integrated Pest Management	3
POLS 3395	Environmental Policy	3
SOCI 3336	Social Change And Development	3
SOCI 4337	Environment And Society	3