

BACHELOR OF SCIENCE, MAJOR IN ENVIRONMENTAL SCIENCE (SUSTAINABILITY)

Code	Title	Hours
Bachelor of Science, Major in Environmental Science (Sustainability)		
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		
BIOL 1401	Environmental Science ⁵	4
BIOL 1411	General Botany	4
BIOL 1413	General Zoology	4
BIOL 2320	Sustainability and Environment (This course is dual listed as GEOG 2320)	3
BIOL 3409	General Ecology	4
BIOL 4374	Biostatistics	3
CHEM 1411	General Chemistry I	4
ECON 3352	Energy & Environmental Econ	3
GEOG 1401	Weather and Climate ⁵	4
GEOG 2364	Geo-Spatial Technology	3
GEOG 4331	Conservation of Natural Res	3
GEOG 4432	Geomorphology	4
GEOG 4468	Remote Sensing	4
GEOL 1403	Physical Geology	4
GEOL 3326	Environmental Geology	3
MATH 1314	Pre Calculus Algebra ⁶	3
PLSC 1107	Plant Science Laboratory	1
PLSC 1307	Plant Science	3
PLSC 3440	Soil Science	4
POLS 3395	Environmental Policy	3
SOCI 3336	Social Change And Development	3
SOCI 4337	Environment And Society	3
STAT 1369	Elementary Statistics	3
Prescribed Electives		
	Choose 12 hours of advanced electives	12
GEOG 4432	Geomorphology	
GEOG 4357	Population Geography	
GEOL 3326	Environmental Geology	
PHIL 3372	Philosophy of Science	
PHIL 4306	Philosophy of Biology	
PLSC 4330	Soil Fertility Mgt Fertilizers	
PLSC 4370	Forage Crops & Pasture Mgmt	
PLSC 4397	Integrated Pest Management	
Total Hours		120

2 *Bachelor of Science, Major in Environmental Science (Sustainability)*

- ¹ MATH 1314 suggested.
² SOCI 2319 suggested.
³ ECON 2301 suggested.
⁴ GEOG 2355 or GEOG 2356 plus 1 semester credit hour.
⁵ Satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science).
⁶ Satisfies the Core Curriculum requirement for Component Area II (Mathematics).

First Year

Fall	Hours Spring	Hours
BIOL 1401	4 Component Area IX	1
ENGL 1301 ¹	3 ENGL 1302 ¹	3
GEOG 1401 ²	4 GEOL 1403 ²	4
HIST 1301 ³	3 HIST 1302 ³	3
MATH 1314 ⁴	3 STAT 1369	3
	17	14

Second Year

Fall	Hours Spring	Hours
Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareiv) ⁵	3 Component Area IX ⁸	3
Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii) ⁶	3 BIOL 1413	4
BIOL 1411	4 BIOL 2320 (This course is cross-listed with GEOG 2320)	3
CHEM 1411	4 GEOG 2364	3
POLS 2305 ⁷	3 POLS 2306 ⁷	3
SOCI 2319	3	
	20	16

Third Year

Fall	Hours Spring	Hours
BIOL 4374	3 BIOL 3409	4
GEOL 3326	3 ECON 3352	3
GEOG 4432	4 GEOG 4331	3
PLSC 1107	1 PLSC 3440	4
PLSC 1307	3	
POLS 3395	3	
	17	14

Fourth Year

Fall	Hours Spring	Hours
Advanced Elective (Environmental Science) ⁹	6 Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3
GEOG 4468	4 Advanced Elective (Environmental Science) ⁹	6
SOCI 4337	3 SOCI 3336	3
	13	12

Total Hours: 123

- ¹ Satisfies Core Curriculum requirement for Component Area I (Communication).
² Satisfies the 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 the Core Curriculum requirement for Component Area II (Mathematics).
⁵ SOCI 2319 suggested.
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, Advanced Elective (Environmental Science) list below.

Code	Title	Hours
Advanced Elective (Environmental Science)		
GEOG 4357	Population Geography	3
GEOG 4432	Geomorphology	4
GEOL 3326	Environmental Geology	3
PHIL 3372	Philosophy of Science	3
PHIL 4306	Philosophy of Biology	3
PLSC 4330	Soil Fertility Mgt Fertilizers	3
PLSC 4370	Forage Crops & Pasture Mgmt	3
PLSC 4397	Integrated Pest Management	3