

ENVIRONMENTAL & SUSTAINABILITY SCIENCES (B.S.)

Bachelor of Science (B.S.) in Environmental & Sustainability Sciences

The University of South Alabama offers a B.S. in Environmental and Sustainability Sciences designed to address the need for a broad understanding of the natural world and its interaction with the demands of human society and development. A fundamental component of environmental science is its interdisciplinary essence and how this integrative approach can be used to develop mutually beneficial solutions to some of society's most pressing challenges.

Degree Requirements

Code	Title	Hours
General Education Requirements		
https://bulletin.southalabama.edu/programs-az/arts-sciences/#generaleducationtext		53-57
Required Environmental & Sustainability Sciences Courses		33
ENV 337 & 337L	Enviro Sciences I and Environ Sciences I Lab	4
ENV 338 & 338L	Enviro Sciences II and Environ Sciences II Lab	4
ENV 339	Climate Change - W	3
ENV 340	Fundamentals of E Tox & Chem	3
ENV 334 & 334L	Enviro Monitoring & Assessment and Environmental Monitoring & Assessment Lab	4
ENV 335 & 335L	Enviro Conserv/Sustainability-W and Env Conserv & Sustain Lab	4
GY 425	Hydrology	4
GIT 460	Intro to GIT	4
GEO 410	Biogeography	3
Other Course Requirements		
See list below		
Minor Requirement		18-24
A minor is required for this degree program.		
The Composite Science minor consists of three laboratory science sequences. Students may satisfy a Composite Science minor by completing the major additional course requirements (i.e. BLY 121/L, BLY 122/L, CH 131/L, CH 132/L, and PH 114/L) plus either PH 115 & PH 115L or PH 202 & PH 202L. Or a student could take GY 111 & GY 111L and GY 112 & GY 112L to complete the Composite Science minor or by taking GEO 101 & GEO 101L and GEO 102 & GEO 102L.		
A MINIMUM OF 120 HOURS IS REQUIRED FOR A DEGREE		120

All undergraduates must complete two designated writing credit (W) courses.

NOTE: PHL 231 is suggested as one of the AREA II. General Education Requirements.

Other Course Requirements:

Additional courses required for the major include general education courses in the following list.

Code	Title	Hours
BLY 121 & 121L	General Biology I and General Biology I Lab	4
BLY 122 & 122L	General Biology II and General Biology II Laboratory	4
CH 131 & 131L	General Chemistry I and General Chemistry I Lab	4
CH 132 & 132L	General Chemistry II and General Chemistry II Lab	4
MA 125	Calculus I	4
GY 111 & 111L	Physical Geology and Physical Geology Lab	4
Choose one from the following:		4-5
PH 114 & 114L	Physics with Algebra-Trig I and Alg-Trig Based Physics I Lab	
PH 201 & 201L	Calculus-Based Physics I and Calculus-Based Physics I Lab	

Major Milestones

Course	Title	Hours
First Year		
Fall		
CAS 100	First Yr Exp -	2
BLY 121 & 121L	General Biology I and General Biology I Lab	4
CH 131 & 131L	General Chemistry I and General Chemistry I Lab	4
MA 125	Calculus I	4
EH 101	English Composition I (Students who earn an English ACT score of 27 or above, SAT score of 610 or above on the verbal portion, or a new SAT Reading Test can opt out of EH 101.)	3
Hours		17
Spring		
GY 111 & 111L	Physical Geology and Physical Geology Lab	4
BLY 122 & 122L	General Biology II and General Biology II Laboratory	4
CH 132 & 132L	General Chemistry II and General Chemistry II Lab	4
EH 102	English Composition II	3
Hours		15
Second Year		
Fall		
PH 114 & 114L	Physics with Algebra-Trig I and Alg-Trig Based Physics I Lab	5
GEO 410	Biogeography	3
ENV 337 & 337L	Enviro Sciences I and Environ Sciences I Lab	4
Humanities & Fine Arts Elective (Gen Ed)		3
Hours		15
Spring		
CA 110	Public Speaking	3
ENV 338 & 338L	Enviro Sciences II and Environ Sciences II Lab	4
History, Social & Behavioral Sciences (Gen Ed)		3

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History, Social, & Behavioral Sciences (Gen Ed) (Social Ethics PHL 231 is recommended)	3	
Humanities & Fine Arts Elective (Gen Ed)	3	
Hours	16	
Third Year		
Fall		
Foreign Language I (Gen Ed)	3	
Humanities & Fine Arts Elective (Gen Ed)	3	
English Literature (Gen Ed)	3	
Minor Course	3	
Minor Course	3	
Hours	15	
Spring		
Foreign Language II (Gen Ed)	3	
ENV 340	Fundamentals of E Tox & Chem	3
GY 425	Hydrology	4
Minor Course		3
Hours		13
Fourth Year		
Fall		
ENV 339	Climate Change - W	3
GIT 460	Intro to GIT	4
ENV 334 & 334L	Enviro Monitoring & Assessment and Environmental Monitoring & Assessment Lab	4
Minor Course		3
Hours		14
Spring		
ENV 335 & 335L	Enviro Conserv/Sustainabilit-W and Env Conserv & Sustain Lab	4
History, Social & Behavioral Elective (Gen Ed)		3
Humanities & Fine Arts Elective (Gen Ed)		3
Minor Course		3
Minor Course		3
Hours		16
Total Hours		121

Major Milestone Notes

- Students with ACT Math scores 22-23 should take MA 112 in the first semester. Students with ACT Math scores 21 and below should begin math courses in the summer before Fall - Year 1.
- There may be additional prerequisites for upper level major electives. Refer to the bulletin for more information.
- All Arts and Sciences majors require a minor between 18 and 24 hours. Courses used in a minor can also be used for general education requirements or major requirements (up to two courses).
- Two designated writing (W) courses are required with at least one course chosen from offerings in the student's major or minor. Courses carrying this required credit are identified in the University Bulletin by a (W) after the course title.
- The Sample 4-year plan is designed as a guide for students preparing for their course selections. This information provides only a suggested schedule. Actual course selections should be made in consultation with an advisor.