

BACHELOR OF SCIENCE, MAJOR IN PLANT AND SOIL SCIENCES

The Plant and Soil Sciences' curriculum provides an educational background to those interested in employment in fields related to production, marketing and/or management of horticultural or agronomic crops; landscape design, installation, and maintenance; and other related businesses. Employment opportunities include, but are not limited to, nursery management, greenhouse plant production, turf management, landscape design and maintenance, floral industry, field crop production or consulting, natural resource conservation programs, chemical and seed production and sales, agricultural extension, and research/teaching.

Bachelor of Science, Major in Plant and Soil Sciences

Core Curriculum (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum)		
Component Area I (Communication)		6
Component Area II (Mathematics)		3
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture)		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
Component Area IX (Component Area Option)		4
Degree Specific Requirements		
AGRI 4388	Prin Agr Ldrship Comm Develop (or COMS Elective)	3
ACOM 3360	Communication Skills for Agriculturists	3
or ENGL 3330	Intro To Technical Writing	
AGRI 1309	Computers in Agriculture	3
or CSTE 1330	Introduction To Computers	
MATH or STAT Elective		3
CHEM 1406	Inorganic & Envir Chemistry ¹	4
CHEM 1407	Intro Organic and Biochemistry ¹	4
Major Core		
AGRI 1131	Intro To Pro Leadership Skills	1
PLSC 1307	Plant Science	4
& PLSC 1107	and Plant Science Laboratory	
ANSC 1319	Animal Science	4
& ANSC 1119	and Animal Science Laboratory	
Major		
PLSC 2395	Ornamental Plant Identification	3
PLSC 3440	Soil Science	4
PLSC 3395	Plant Propagation Techniques	3
AGRI 4120	Professional Career Skills	1
Electives		
Select 25 advanced hours from the following		25
PLSC 3374	Production & Mgt Ornamentals	
PLSC 3379	Turfgrass Culture	
PLSC 3398	Landscape Design I	
PLSC 4320	Fruit & Vegetable Production	
PLSC 4330	Soil Fertility Mgt Fertilizers	
PLSC 4368	Landscape Design II	
PLSC 4370	Forage Crops & Pasture Mgmt	
PLSC 4372	Sports Turf Management	
PLSC 4397	Integrated Pest Management	
AGRI 4396	Directed Studies	

Select 3 hour elective from: AGBU, AGET, AGRI, ANSC, EQSC, PLSC or WGMT	3
Minor (if required)	
Minor	12
Minor Advanced Hours	6
Total Hours	120

¹ CHEM 1406 and CHEM 1407 satisfy the requirement for Component Area III and the degree specific requirement.

Note

Students should use elective and/or minor hours to satisfy the 42 advanced hour requirement.

First Year

Fall	Hours Spring	Hours
AGRI 1131	1 ANSC 1319 & ANSC 1119	4
AGRI 1309 or CSTE 1330	3 Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
PLSC 1307 & PLSC 1107	4 Component Area II (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii)	3
Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3 Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3 Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
	14	16

Second Year

Fall	Hours Spring	Hours
PLSC 2395	3 PLSC 3395	3
CHEM 1406	4 CHEM 1407	4
MATH or STAT Elective	3 Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3 Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv)	3 Minor	3
	16	16

Third Year

Fall	Hours Spring	Hours
PLSC 3440	4 Plant and Soil Sciences Electives	9
ACOM 3360 or ENGL 3330	3 Minor	6
AGRI 4388	3	
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	4	
	14	15

Fourth Year

Fall	Hours Spring	Hours
Plant and Soil Sciences Electives	6 AGRI 4120	1
AGRI Elective	3 Plant and Soil Sciences Electives	10

Minor (Advanced Hours)	6 Minor	3
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	15	14
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Total Hours: 120		