

BACHELOR OF SCIENCE, MAJOR IN ANIMAL SCIENCE

The major emphasis in Animal Science prepares students for careers in the livestock and equine production and support industries. Scientific principles, management, production technologies, and skills are covered in appropriate courses. The University maintains herds and flocks for teaching and research. Students may complete pre-veterinary medicine, equine science, wildlife management and conservation biology requirements under the Animal Science program. Graduates can expect to qualify for positions in sales and service, inspection, regulation, research/teaching, breed associations, extension, or management in an animal, equine and/or wildlife management industry.

Bachelor of Science, Major in Animal Science

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

MATH 1369 or STAT 1369	Elementary Statistics	3
AGRI 1309 or CSTE 1330	Computers in Agriculture (or approved substitute) Introduction To Computers	3
ACOM 3360 or ENGL 3330	Communication Skills for Agriculturists Intro To Technical Writing	3
CHEM 1406 or CHEM 1411	Inorganic & Envir Chemistry ¹ General Chemistry I	4
CHEM 1407 or CHEM 1412	Intro Organic and Biochemistry ¹ General Chemistry II	4
COMS 1361 or COMS 2382	Public Speaking ² Comm. for Bus. & Professions	3

Major Core

ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
ANSC 2360	Animals And Society ³	3
ANSC 3363	Anatomy & Physiology of the Domestic Animal	3
ANSC 3373	Animal Nutrition	3
ANSC 3376	Meat Science	3
ANSC 4395	Animal Breeding & Genetics	3
PLSC 4370 or PLSC 4383	Forage Crops & Pasture Mgmt Range Management	3
ANSC 4389	Animal Reproduction	3
ANSC 4394	Animal Feeds And Feeding	3

Additional Major Courses

AGRI 1131	Intro To Pro Leadership Skills	1
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4
AGRI 4120	Professional Career Skills	1

Animal Science Electives

Select 17 hours (9 hours must be advanced) from: ANSC, EQSC or WMGT Electives 17

Elective

Select 3 hours from the following: 3

AGBU 2317	Principles Of Agri Economics	
AGBU 2389	Agribusiness Financl Analysis	
Minor		6
Minor (Advanced)		12
Total Hours		120

¹ CHEM 1406, CHEM 1411, CHEM 1407 and CHEM 1412 satisfy the requirements for Component Area III and the degree specific requirement.

² COMS 1361 and COMS 2382 satisfies three hours of Component Area IX and degree specific area.

³ ANSC 2360 satisfies Component Area VIII and degree specific area.

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 2360 ¹	3
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 CHEM 1406 or 1411 ²	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 IX (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareaix)	1 Component Area IV (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareaiiv)	3
Courses to satisfy minor	3	
	15	16

Second Year

Fall	Hours Spring	Hours
ANSC 3363	3 ANSC 3373	3
CHEM 1407 or 1412 ²	4 Component Area VI (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareavi)	3
Component Area V (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareav)	3 Component Area VII (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareavii)	3
Component Area VI (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareavi)	3 COMS 1361 or 2382 ³	3
Courses to satisfy minor	3 ANSC Electives (ANSC, EQSC, WMGT)	3
	16	15

Third Year

Fall	Hours Spring	Hours
ANSC 3376	3 ANSC 4389	3
ANSC 4395	3 ACOM 3360 or ENGL 3330	3
ANSC Elective (ANSC, EQSC, WMGT)	3 AGBU 2317 or 2389	3
Component Area VII (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareavii)	3 PLSC 1307 & PLSC 1107	4
	MATH 1369 or STAT 1369	3
	12	16

Fourth Year

Fall	Hours Spring	Hours
ANSC 4394	3 ANSC Electives (ANSC, EQSC, WMGT)	5
ANSC Electives (ANSC, EQSC, WMGT)	6 Courses to satisfy minor (advanced)	9

PLSC 4370 or 4383	3	
AGRI 4120	1	
Courses to satisfy minor (advanced)	3	
	16	14

Total Hours: 120

- ¹ Satisfies Component Area VIII.
- ² Satisfies Component Area III.
- ³ Satisfies three hours of Component Area IX.