

BACHELOR OF SCIENCE, MAJOR IN ANIMAL SCIENCE, PRE-VETERINARY MEDICINE

Bachelor of Science, Major in Animal Science, Pre-Veterinary Medicine

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

ENGL 3330	Intro To Technical Writing	3
COMS 1361 or COMS 2382	Public Speaking Comm. for Bus. & Professions	3
MATH 1316	Plane Trigonometry ¹	3
STAT 3379	Statistical Methods In Practice	3
PSYC 1301	Introduction To Psychology ^{2,3}	3
UNIV 1301	Intro To Collegiate Studies	3

Major Core

ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
ANSC 3363	Anatomy & Physiology of the Domestic Animal	3
ANSC 3373	Animal Nutrition	3
ANSC 3376	Meat Science	3
ANSC 4389	Animal Reproduction	3
ANSC 4394	Animal Feeds And Feeding	3
ANSC 4395	Animal Breeding & Genetics	3

Select one from the following:

ANSC 2330	Companion Animal Science (Students who choose this course must take an additional 2 hours of advanced coursework.)	3
ANSC 4398	Animal Diseases & Public Hlth	
AGRI 4350	Agricultural Biosecurity	
PLSC 4370 or PLSC 4383	Forage Crops & Pasture Mgmt Range Management	3
AGRI 4120	Professional Career Skills	1

Minor

BIOL 1411	General Botany ⁴	4
BIOL 1413	General Zoology ⁴	4
BIOL 2440	Introductory Cell Biology	4
BIOL 3450	Introductory Genetics	4
BIOL 3470	General Microbiology	4
CHEM 1411	General Chemistry I ⁴	4
CHEM 1412	General Chemistry II ⁴	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
CHEM 3438	Biochemistry I	4

PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
PHYS 1302 & PHYS 1102	Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory II	4
Total Hours		120

¹ MATH 1316 satisfies the requirement for Component Area II and the degree specific requirement.

² PSYC 1301 satisfies the requirement for Component Area VIII and the degree specific requirement.

³ Satisfies pre-requisite requirements for Veterinary Medicine.

⁴ BIOL 1411, BIOL 1413, CHEM 1411, and CHEM 1412 satisfy the requirement for Component Area III and the minor requirement.

First Year

Fall	Hours Spring	Hours
ANSC 1319 & ANSC 1119	4 BIOL 1413	4
UNIV 1301	3 CHEM 1412	4
CHEM 1411 ¹	4 MATH 1316 ²	3
BIOL 1411 ¹	4 ENGL 1301 ³	3
	Component Area IV (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareaiv)	3
	15	17

Second Year

Fall	Hours Spring	Hours
ENGL 1302 ³	3 CHEM 2325 & CHEM 2125	4
HIST 1301 ⁴	3 ANSC 3373	3
ANSC 3363	3 HIST 1302 ⁴	3
CHEM 2323 & CHEM 2123	4 COMS 1361 or 2382 ⁵	3
BIOL 2440	4 PSYC 1301 ⁶	3
	17	16

Third Year

Fall	Hours Spring	Hours
POLS 2305 ⁷	3 POLS 2306 ⁷	3
ANSC 3376	3 ANSC 4389	3
BIOL 3450	4 BIOL 3470	4
PHYS 1301 & PHYS 1101	4 PHYS 1302 & PHYS 1102	4
	14	14

Fourth Year

Fall	Hours Spring	Hours
ENGL 3330	3 ANSC 4395	3
Component Area IX (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareaix)	1 ANSC 2330, 4398, or AGRI 4350	3
ANSC 4394	3 PLSC 4370 or 4383	3
AGRI 4120	1 CHEM 3438	4
Component Area V (catalog.shsu.edu/undergraduate/ academic-policies-procedures/degree-requirements- academic-guidelines/core-curriculum/#componentareav)	3	
STAT 3379	3	
	14	13

Total Hours: 120

- 1 Satisfies Component Area III.
- 2 Satisfies Component Area II.
- 3 Satisfies Component Area I.
- 4 Satisfies Component Area VI.
- 5 Satisfies Component Area IX.
- 6 Satisfies Component Area VIII.
- 7 Satisfies Component Area VII.