

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

COMS 1361 or COMS 2382	Public Speaking ¹ Comm. for Bus. & Professions	3
ENGL 3330	Intro To Technical Writing	3
MATH 1316	Plane Trigonometry ²	3
PSYC 1301	Introduction To Psychology ^{3,4}	3
STAT 3379	Statistical Methods In Practice	3
UNIV 1301	Intro To Collegiate Studies	3

Major Core

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

Minor

BIOL 1411	General Botany ⁵	4
BIOL 1413	General Zoology ⁵	4
BIOL 2440	Introductory Cell Biology	4
BIOL 3450	Introductory Genetics	4
BIOL 3470	General Microbiology	4
CHEM 1411	General Chemistry I ⁵	4
CHEM 1412	General Chemistry II ⁵	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 COMS 1361 or COMS 2382 satisfies the requirement for Component Area IX and degree specific requirement.

² MATH 1316 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific Requirement.

³ PSYC 1301 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences) and the Degree Specific Requirement.

⁴ Satisfies prerequisite requirements for Veterinary Medicine.

⁵ BIOL 1411, BIOL 1413, CHEM 1411, and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the minor requirement.

First Year

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

Second Year

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

Third Year

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

Fourth Year

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

STAT 3379	3	
	14	13

Total Hours: 120

- 1 Satisfies Core Curricular requirement for Component Area III (Life and Physical Science).
- 2 Satisfies Core Curricular requirement for Component Area I (Communications).
- 3 Satisfies Core Curricular requirement for Component Area II (Mathematics).
- 4 Satisfies Core Curricular requirement for Component Area IX (Component Area Option).
- 5 Satisfies Core Curricular requirement for Component Area VI (U.S. History).
- 6 Satisfies Core Curricular requirement for Component Area VIII (Social and Behavioral Sciences).
- 7 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).