

# BACHELOR OF SCIENCE, MAJOR IN ANIMAL SCIENCE: ANIMAL CARE AND WELFARE CONCENTRATION

**Additional information:** Reference the Program Landing Page (<https://www.shsu.edu/programs/bachelor-of-science-in-animal-science/>) for additional information, such as cost, delivery format, contact information, or to schedule a visit.

Code	Title	Hours
<b>Bachelor of Science, Major in Animal Science: Animal Care and Welfare Concentration</b>		
<b>Core Curriculum</b>		
Component Area I (Communication)		6
Component Area II (Mathematics)		3
Component Area III (Life and Physical Science) <sup>1</sup>		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) <sup>2</sup>		3
Component Area IX (Component Area Option) <sup>3</sup>		4
<b>Degree Specific Requirement</b>		
CHEM 1411 or CHEM 1406	General Chemistry I <sup>1</sup> Inorganic & Environmental Chemistry	4
CHEM 1412 or CHEM 1407	General Chemistry II <sup>1</sup> Introduction to Organic and Biochemistry	4
COMS 1361 or COMS 2382	Public Speaking <sup>3</sup> Communication for Business & the Professions	3
ENGL 3330 or ACOM 3360	Introduction to Technical Writing Communication Skills for Agriculturists	3
MATH 1342	Elementary Statistics	3
<b>Major: Foundation Courses</b>		
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
ANSC 2360	Animals and Society <sup>2</sup>	3
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
AGRI 4120	Professional Career Skills	1
<b>Major: Prescribed Electives</b>		
Animal Science Major Electives: Select 13 hours -- ANSC, EQSC, WMGT Electives or BIOL 1406 or BIOL 1407		13
<b>Concentration: Animal Care and Welfare</b>		
AGRI 4350	Agricultural Biosecurity	3
ANSC 2330	Companion Animal Science	3
ANSC 2340	Application of Small Animal Behavior Modification	3
ANSC 4337	Behavior and Management of Domestic Animals	3
ANSC 4393	Animal Legal Issues	3
ANSC 4397	Disaster/Emergency Management in Agriculture	3
ANSC 4398	Animal Diseases & Public Health	3
EQSC 2364	Equine Science	3
EQSC 2365	Equine Safety and Handling	3
EQSC 4379	Equine Nutrition	3

WMGT 2301	Principles of Wildlife Management	3
WMGT Advanced Elective (WMGT 3000 or 4000)		3
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> CHEM 1406, CHEM 1407, CHEM 1411, and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the Degree Specific requirement.

<sup>2</sup> ANSC 2360 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences) and the major.

<sup>3</sup> COMS 1361 and COMS 2382 satisfy the Core Curriculum requirement for Component Area IX (Component Area Option) and the Degree Specific Requirement.

### Notes

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

Students should use major elective hours to satisfy the 42 advanced hour requirement.

### First Year

Fall	Hours	Spring	Hours
Component Area I		3 Component Area I	3
Component Area II		3 Component Area VI	3
ANSC 1319 & ANSC 1119		4 ANSC 2360 <sup>1</sup>	3
EQSC 2364		3 CHEM 1411 or 1406 <sup>2</sup>	4
		COMS 1361 or 2382 <sup>3</sup>	3
		<b>13</b>	<b>16</b>

### Second Year

Fall	Hours	Spring	Hours
Component Area IV		3 Component Area V	3
Component Area VI		3 ANSC 2340	3
ANSC 2330		3 ANSC 3363	3
MATH 1342		3 ANSC 3373	3
WMGT 2301		3 CHEM 1412 or 1407 <sup>2</sup>	4
		<b>15</b>	<b>16</b>

### Third Year

Fall	Hours	Spring	Hours
Component Area VII		3 Component Area VII	3
Component Area IX		1 AGRI 4350	3
ANSC 3376		3 ANSC 4397	3
ENGL 3330 or ACOM 3360		3 ANSC 4398	3
EQSC 2365		3	
WMGT Advanced Elective (3000-4000)		3	
		<b>16</b>	<b>12</b>

### Fourth Year

Fall	Hours	Spring	Hours
AGRI 4120		1 ANSC 4337	3
ANSC 4393		3 ANSC 4389	3
ANSC 4394		3 ANSC 4395	3
EQSC 4379		3 Prescribed Electives: ANSC/EQSC/WMGT or BIOL 1406 or BIOL 1407	7

Prescribed Electives: ANSC/EQSC/WMGT or BIOL 1406 or BIOL 1407	6	
	<b>16</b>	<b>16</b>

**Total Hours: 120**

- <sup>1</sup> ANSC 2360 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences) and the major.
- <sup>2</sup> CHEM 1406, CHEM 1407, CHEM 1411, and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the Degree Specific requirement.
- <sup>3</sup> COMS 1361 and COMS 2382 satisfy the Core Curriculum requirement for Component Area IX (Component Area Option) and the Degree Specific Requirement.

**Notes**

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

Students should use major elective hours to satisfy the 42 advanced hour requirement.

The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's 60x30TX plan and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Animal Science: Animal Care and Welfare Concentration is designed to provide graduates with the following marketable skills:

- Define the laws, regulations, and responsibilities for a livestock/animal owner.
- Assess animal behavior as it relates to instinctive behavior vs behavior of distress.
- Assess and implement a plan to maintain the welfare of animals during times of disasters and emergencies.
- Demonstrate proper handling techniques for livestock/animal and the ability to access and maintain a safe environment of both animal and handler.
- Interpret the interaction of animals and humans and how it relates to society and individual well-being.