BACHELOR OF SCIENCE, MAJOR IN ANIMAL SCIENCE, MINOR IN CONSERVATION BIOLOGY

The BS, Major in Animal Science with Conservation Biology minor is an excellent choice for those students wanting to enter agricultural and wildlife or natural resource management careers or for those interested in graduate school in wildlife sciences. Students selecting this degree should indicate Animal Science as their major and WECO as their minor.

Code	Title	Hours
Bachelor of Science, Animal Science, Minor in Conservation Biology		
Core Curriculum (https://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) [1]		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) [2]		4
Degree Specific Requirements		
ACOM 3360	Communication Skills for Agriculturists	3
or ENGL 3330	Introduction to Technical Writing	
COMS 1361	Public Speaking [2]	3
or COMS 2382	Communication for Business & the Professions	
MATH 1342	Elementary Statistics	3
Major: Foundation		
AGRI 4120	Professional Career Skills	1
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 4383	Range Management	3
or PLSC 4370	Forage Crops and Pasture Management	
WMGT 2301	Principles of Wildlife Management	3
WMGT 3381	Game Animal Production	3
Major: Prescribed Electives		
Select one from the following:		3
AGRI 4350	Agricultural Biosecurity	
ANSC 4393	Animal Legal Issues	
ANSC 4397	Disaster/Emergency Management in Agriculture	
ANSC 4398	Animal Diseases & Public Health	
Prescribed Electives [3,4]		**15**
Minor: Required [5]		
Minor [5]		
BIOL 1406	General Biology I	4
BIOL 1407	General Biology II	4
BIOL 3409	General Ecology	4

BIOL 3461	Wildlife Biology	4
BIOL 3364	Plant Taxonomy	3
CHEM 1411	General Chemistry I [1]	4
CHEM 1412	General Chemistry II [1]	4
Select one from the following:		3
BIOL 4330	Aquatic Biology	
BIOL 4430	Vertebrate Natural History	
BIOL 4470	Animal Behavior	
Total Hours		**120**

1 CHEM 1411, CHEM 1412, BIOL 1406, and BIOL 1407 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the minor requirement.
2 COMS 1361 or COMS 2382 satisfies three hours of Component Area IX and degree specific area.
3 Students should use major elective hours to satisfy the 42 advanced hour requirement.
4 Select 15 hours from the following: ANSC, EQSC, or WMGT.
5 The following minors cannot be paired with this degree program: Minor in Early Childhood Education and Minor in Wildlife Ecology.

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.

First Year

Fall	Hours	Spring	Hours
Component Area I (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3	Component Area I (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
Component Area II (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii)	3	Component Area IV (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3
Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	1	CHEM 1411[1]	4
ANSC 1319 & ANSC 1119	4	COMS 1361 or 2382[2]	3
BIOL 1406	4	MATH 1342	3
	15		**16**

Second Year

Fall	Hours	Spring	Hours
Component Area V (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3	Component Area VI (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
Component Area VI (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3	Component Area VII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
ANSC 3363	3	Component Area VIII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3

BIOL 1407		4 ANSC 3373	3
CHEM 1412[1]		4 ANSC 4393, 4397, 4398, or AGRI 4350	3
	17		**15**

Third Year

Fall	Hours	Spring	Hours
Component Area VII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)		3 ACOM 3360 or ENGL 3330	3
ANSC 3376		3 ANSC 4389	3
ANSC 4395		3 PLSC 4383 or 4370	3
WMGT 2301		3 WMGT 3381	3
Prescribed Electives[3]		3	
	15		**12**

Fourth Year

Fall	Hours	Spring	Hours
AGRI 4120		1 BIOL 3461	4
ANSC 4394		3 BIOL 3364	3
BIOL 3409		4 BIOL 4330, 4430, or 4470	3
Prescribed Electives[3]		6 Prescribed Electives[3]	6
	14		**16**

Total Hours: 120

1 CHEM 1411, CHEM 1412, BIOL 1406, and BIOL 1407 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the minor requirement.

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

3 Select 15 hours from the following: ANSC, EQSC, or WMGT. In addition, students should use major electives to satisfy the 42 hour advanced credit 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.

The following minors cannot be paired with this degree program: Minor in Early Childhood Education and Minor in Wildlife Ecology.

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, Minor in Conservation Biology is designed to provide graduates with the following marketable skills:

- Ability to make livestock management decisions based on scientific, economic, and other applicable information.
- Knowledgeable of each segment of the food animal and meat industry and make critical marketing decisions in each.
- Understand nutrition as it applies to animal performance and be able to develop balanced rations to meet physiological and production needs.
- Develop presentations and effectively communicate factual information, logically and concisely, both orally and in writing.
- Understand anatomy, physiology, and functions of the major organs and systems of livestock.