

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 (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/)		
Component Area I (Communication)		6
Component Area II (Mathematics) ¹		3
Component Area III (Life and Physical Science) ²		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) ³		4
Degree Specific Requirements		
ACOM 3360 or ENGL 3330	Communication Skills for Agriculturists Intro to Technical Writing	3
AGRI 1309 or CSTE 1330	Computers in Agriculture (or approved substitute) Introduction to Computers	3
COMS 1361 or COMS 2382	Public Speaking ³ Comm. for Bus. & Professions	3
MATH 1314	Pre Calculus Algebra ¹	3
MATH 1342	Elementary Statistics	3
Major: Foundation		
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
WMGT 2301	Principles of Wildlife Mgmt	3
WMGT 3381	Game Animal Production	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	Forage Crops & Pasture Mgmt	3
PLSC 4383	Range Management	3
AGRI 4120	Professional Career Skills	1
Major: Prescribed Electives ⁴		
Select 12 hours from: ANSC, EQSC or WMGT		12
Minor: Required		
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 ²	4
CHEM 1412	General Chemistry II ²	4
Select one from the following:		3
BIOL 4330	Aquatic Biology	
BIOL 4430	Vertebrate Natural History	
BIOL 4470	Animal Behavior	

Total Hours **120**

- ¹ MATH 1314 satisfies the requirements for Component Area II (Mathematics) and the Degree Specific Requirement.
- ² CHEM 1411, and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the minor requirement.
- ³ COMS 1361 or COMS 2382 satisfies three hours of Component Area IX and degree specific area.
- ⁴ Students should use major elective hours to satisfy the 42 advanced hour requirement.
- 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 (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)		3 Component Area I (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
Component Area IX (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)		1 Component Area IV (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv)	3
ANSC 1319 & ANSC 1119		4 AGRI 1309 or CSTE 1330	3
BIOL 1406		4 CHEM 1411 ²	4
MATH 1314 ¹		3 MATH 1342	3
		15	16

Second Year

Fall	Hours	Spring	Hours
Component Area V (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)		3 Component Area VI (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
Component Area VI (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)		3 Component Area VII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
ANSC 3363		3 Component Area VIII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
BIOL 1407		4 ANSC 3373	3
CHEM 1412 ²		4 COMS 1361 or 2382 ³	3
		17	15

Third Year

Fall	Hours	Spring	Hours
Component Area VII (http://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	3
WMGT 2301		3 WMGT 3381	3
Major Prescribed Electives: ANSC, EQSC, WMGT ⁴		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
Major Prescribed Electives: ANSC, EQSC, WMGT ⁴		6 Major Prescribed Electives: ANSC, EQSC, WMGT ⁴	3
PLSC 4370		3	
		17	13

Total Hours: 120

¹ MATH 1314 satisfies the requirements for Component Area II (Mathematics).

² CHEM 1411 and CHEM 1412 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the minor requirement.

³ COMS 1361 or COMS 2382 satisfies three hours of Component Area IX and degree specific area.

⁴ 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.

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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.