

BACHELOR OF SCIENCE, MAJOR IN ANIMAL SCIENCE WITH TEACHING CERTIFICATION

Agriculture, Food, and Natural Resources (AFNR) Teacher Certification

The primary emphasis of the teacher certification program is the preparation of secondary teachers of Agricultural, Food, and Natural Resources (AFNR). Students gain a broad background in the agricultural sciences along with professional preparation courses in agricultural and secondary pedagogy. This comprehensive background prepares students for a wide variety of professional agricultural careers.

The teacher certification option can be chosen with any of the agricultural emphasis majors as shown. Students majoring in interdisciplinary agriculture, agricultural business, animal science, agricultural engineering technology, or plant and soil sciences who are seeking AFNR teacher certification should select CISE as their minor.

All students seeking teacher certification must be advised each semester to ensure proper sequencing of classes.

Code	Title	Hours
Bachelor of Science, Major in Animal Science with Teaching Certification		
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		
ACOM 3360	Communication Skills for Agriculturists	3
AGRI 1309 or CSTE 1330	Computers in Agriculture (or approved substitute) Introduction to Computers	3
CHEM 1406 or CHEM 1411	Inorganic & Envir Chemistry ¹ General Chemistry I	4
CHEM 1407 or CHEM 1412	Intro Organic and Biochemistry ¹ General Chemistry II	4
MATH 1369 or STAT 1369	Elementary Statistics Elementary Statistics	3
Major Core		
AGBU 2317	Principles of Agri Economics	3
AGET 2303	Intro to Ag Engineering Tech	3
AGRI 1131	Intro to Pro Leadership 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
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4
Major Core for Certification		
AGBU 2389	Agribusiness Financl Analysis	3
AGED 3310	Teaching Ag Technology	3
AGED 3320	Interdiscip Agr Sci & Technol	3

AGED 4388	Agr Sci & Tech Program Mgt	3
AGET 4381	Adv Agricultural Mechanics	3
ANSC 4360	Livestock Mgt Techniques	3
Select one from the following Animal Production Electives:		3
ANSC 4376	Sheep & Goat Production & Mgt	
ANSC 4380	Beef Cattle Production & Mgmt	
EQSC 2364	Equine Science	
WMGT 3381	Game Animal Production	
PLSC 3440	Soil Science	4
PLSC 4370 or PLSC 4383	Forage Crops & Pasture Mgmt Range Management	3
Minor (if required)		
CISE 3384	The Teaching Profession	3
CISE 4364	Mth Tch Secondary Schools	3
CISE 4378	Content Literacy	3
CISE 4379	Differentiated Pedagogy	3
CISE 4380	Respon Of Pro Educator	3
Secondary Ed Courses - AGED		
AGED 4364	Methds Tchng Agricultural Sci	3
AGED 4365	Std Tchng Agricultural Science	3
AGED 4366	Std Tchng Agricultural Science	3
AGED 4394	Ag. Ed. Learning Environments	3
Total Hours		136

¹ CHEM 1406 and CHEM 1407 satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science) and the Degree Specific Requirement.

First Year

Fall	Hours Spring	Hours
Component Area IX (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaix)	1 AGRI 1309 or CSTE 1330	3
AGET 2303	3 CHEM 1406 or 1411 ³	4
AGRI 1131	1 ENGL 1302 ¹	3
ANSC 1319 & ANSC 1119	4 HIST 1301 ⁴	3
ENGL 1301 ¹	3 MATH 1369 or STAT 1369	3
MATH 1314 or 1332 ²	3	
	15	16

Second Year

Fall	Hours Spring	Hours
Component Area V (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareav)	3 Component Area IV (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaiv)	3
AGBU 2317	3 Component Area VIII (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaviii)	3
ANSC 3363	3 ANSC 3373	3
CHEM 1407 or 1412 ³	4 POLS 2305 ⁵	3
HIST 1302 ⁴	3 PLSC 1307 & PLSC 1107	4
	16	16

Third Year

Fall	Hours Spring	Hours Summer	Hours
ANSC 3376	3 ACOM 3360	3 Component Area IX (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaix)	3
AGBU 2389	3 ANSC 4360	3 PLSC 3440	4
AGED 3320	3 ANSC 4389	3 AGED 3310	3
CISE 3384	3 CISE 4378	3 AGED 4388	3
POLS 2306 ⁵	3 CISE 4380	3	
	PLSC 4370 or 4383	3	
	15	18	13

Fourth Year

Fall	Hours Spring	Hours
AGET 4381	3 AGED 4364	3
Animal Production Electives ⁶	3 AGED 4365	3
ANSC 4394	3 AGED 4366	3
CISE 4364	3 AGED 4394	3
CISE 4379	3	
	15	12

Total Hours: 136

¹ Satisfies Core Curriculum requirement for Component Area I (Communication).
² Satisfies requirement for Core Curriculum Component Area II (Mathematics).
³ Satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science).

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4 Satisfies Core Curriculum requirement for Component Area VI (U.S. History).

5 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).

6 Animal Production Electives: ANSC 4376 (catalog.shsu.edu/archives/2019-2020/search/?P=ANSC%204376), ANSC 4380 (catalog.shsu.edu/archives/2019-2020/search/?P=ANSC%204380), EQSC 2364 (catalog.shsu.edu/archives/2019-2020/search/?P=EQSC%202364), or WMGT 3381 (catalog.shsu.edu/archives/2019-2020/search/?P=WMGT%203381).