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 horticulture and crop 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.

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		
CHEM 1406	Inorganic & Envir Chemistry [1]	4
or CHEM 1411	General Chemistry I	
CHEM 1407	Intro Organic and Biochemistry [1]	4
or CHEM 1412	General Chemistry II	
ACOM 3360	Communication Skills for Agriculturists	3
MATH 1369	Elementary Statistics	3
or STAT 1369	Elementary Statistics	
AGRI 1309	Computers in Agriculture (or approved substitute)	3
or CSTE 1330	Introduction To Computers	
Major Core		
AGRI 1131	Intro To Pro Leadership Skills	1
ANSC 1319	Animal Science	4
& ANSC 1119	and Animal Science Laboratory	
AGET 2303	Intro to Ag Engineering Tech	3
AGBU 2317	Principles Of Agri Economics	3
PLSC 1307	Plant Science	4
& PLSC 1107	and Plant Science Laboratory	
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
Major Core for Certification		
AGBU 2389	Agribusiness Financl Analysis	3
AGED 3320	Interdiscip Agr Sci & Technol	3
PLSC 3440	Soil Science	4
PLSC 4370	Forage Crops & Pasture Mgmt	3

or PLSC 4383	Range Management	
Select one from the following (Animal Science Production):		3
EQSC 2364	Equine Science	
ANSC 4360	Livestock Mgt Techniques	
ANSC 4376	Sheep & Goat Production & Mgt	
ANSC 4380	Beef Cattle Production & Mgmt	
AGED 3310	Teaching Ag Technology	3
AGET 4381	Adv Agricultural Mechanics	3
AGED 4388	Agr Sci & Tech Program Mgt	3
Minor (if required)		
CISE 3384	The Teaching Profession	3
CISE 4364	Mth Tch Secondary Schools	3
CISE 4377	Assmt Stdnt Lrng In Secondary	3
CISE 4378	Content Literacy	3
CISE 4380	Respon Of Pro Educator	3
Secondary Ed Courses - AGED		
AGED 4364	Methds Tchg Agricultural Sci	3
AGED 4365	Std Tchng Agricultural Science	3
AGED 4366	Std Tchng Agricultural Science	3
AGED 4380	Respnsblty Of Pro Agr Sci Edu	3
Total Hours		133

[1]   CHEM 1406 and CHEM 1407 satisfy the requirement for Component Area III and the degree specific requirement.

First Year

Fall	Hours	Spring	Hours
AGRI 1131	1	AGRI 1309 or CSTE 1330	3
ANSC 1319 & ANSC 1119	4	MATH 1369 or STAT 1369	3
AGET 2303	3	CHEM 1406 or 1411[1]	4
Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3	Component Area I (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
Component Area II (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii)	3	Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	1		
	15		16

Second Year

Fall	Hours	Spring	Hours
ANSC 3363	3	ANSC 3373	3
AGBU 2317	3	PLSC 1307 & PLSC 1107	4
CHEM 1407 or 1412[1]	4	Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3
Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3	Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
Component Area VI (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3	Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3

Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	3		
	19		16
Third Year			
Fall	**Hours**	**Spring**	**Hours**
ANSC 3376	3	ANSC 4389	3
Component Area VII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3	PLSC 4370 or 4383	3
ANSC Production Elective	3	ACOM 3360	3
AGBU 2389	3	AGED 3320	3
AGED 4364	3	AGED 4365	3
		AGED 4366	3
	15		18
Fourth Year			
Fall	**Hours**	**Spring**	**Hours**
ANSC 4394	3	CISE 3384	3
PLSC 3440	4	CISE 4364	3
AGET 4381	3	CISE 4377	3
AGED 3310	3	CISE 4378	3
AGED 4380	3	CISE 4380	3
AGED 4388	3		
	19		15

Total Hours: 133

[1] Satisfies Component Area III.