BACHELOR OF SCIENCE, MAJOR IN AGRICULTURAL BUSINESS 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 Agricultural Business 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
or ENGL 3330	Intro to Technical Writing	
AGRI 1309	Computers in Agriculture (or approved substitute)	3
or CSTE 1330	Introduction to Computers	
CHEM 1406	Inorganic & Envir Chemistry [1]	4
MATH 1324	Mth for Mngl Decision Making [2]	3
STAT/MATH 1369	Elementary Statistics	3
Major Core		
AGBU 2317	Principles of Agri Economics	3
AGBU 2385	Analysis of the Agr Sector	3
AGBU 2389	Agribusiness Financl Analysis	3
AGBU 3361	Agribusiness Org & Mgt	3
AGBU 3367	Agricultural Finance	3
AGBU 4340	Agribusiness Marketing	3
AGBU 4363	Agricultural Sales & Consulting	3
AGRI 1131	Intro to Pro Leadership Skills	1
or UNIV 1301	Intro To Collegiate Studies	
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4
Major Core for Certification		
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

AGET 2303	Intro to Ag Engineering Tech	3
ANSC 3373	Animal Nutrition	3
ANSC 4360	Livestock Mgt Techniques	3
PLSC 3440	Soil Science	4
PLSC 4370	Forage Crops & Pasture Mgmt	3
or PLSC 3395	Plant Propagation Techniques	
Select one of the following Animal Production Electives		3
ANSC 3376	Meat Science	
ANSC 4376	Sheep & Goat Production & Mgt	
ANSC 4380	Beef Cattle Production & Mgmt	
EQSC 2364	Equine Science	
WMGT 3381	Game Animal Production	
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 Tchg 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		139

[1]   CHEM 1406 satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science) and the Degree Specific requirement.

[2]   MATH 1324 satisfies Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirement.

First Year

Fall	Hours	Spring	Hours
AGET 2303	3	AGRI 1309 or CSTE 1330	3
AGRI 1131 or UNIV 1301	1	ENGL 1302[1]	3
ANSC 1319 & ANSC 1119	4	HIST 1302[2]	3
ENGL 1301[1]	3	MATH 1369 or STAT 1369	3
HIST 1301[2]	3	PLSC 1307 & PLSC 1107	4
MATH 1324[3]	3		
	17		16

Second Year

Fall	Hours	Spring	Hours
Component Area VIII (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaviii)	3	Component Area III (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaiii)	4

Course	Hours	Course	Hours	Course	Hours
AGBU 2317	3	Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv)	3		
AGBU 2385	3	Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3		
CHEM 1406[4]	4	AGBU 2389	3		
POLS 2305[5]	3	KINE 2115, NGLI 1101, or ECON 1100[6]	1		
		POLS 2306[5]	3		
	16		17		

Third Year

Fall	Hours	Spring	Hours	Summer	Hours
ACOM 3360 or ENGL 3330	3	AGBU 3361	3	AGED 3310	3
AGED 3320	3	AGBU 4340	3	AGED 4388	3
AGBU 3367	3	ANSC 3373	3	AGET 4381	3
AGBU 4363	3	Animal Science Production Elective[7]	3	Component Area 9	3
CISE 3384	3	CISE 4378	3		
		CISE 4380	3		
	15		18		12

Fourth Year

Fall	Hours	Spring	Hours
ANSC 4360	3	AGED 4364	3
CISE 4364	3	AGED 4365	3
CISE 4379	3	AGED 4366	3
PLSC 3440	4	AGED 4394	3
PLSC 4370 or 3395	3		
	16		12

Total Hours: 139

[1]   Satisfies Core Curriculum requirement for Component Area I (Communications).
[2]   Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
[3]   Satisfies Core Curriculum requirement for Component Area II (Mathematics).
[4]   Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).
[5]   Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
[6]   Satisfies Core Curriculum requirement for Component Area IX (Component Area Option).
[7]   Select one of the following Animal Production Electives: ANSC 3376, ANSC 4376, ANSC 4380, EQSC 2364, WMGT 3381.