

BACHELOR OF SCIENCE, MAJOR IN INTERDISCIPLINARY AGRICULTURE 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 Interdisciplinary Agriculture 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

AGRI 1309 or CSTE 1330	Computers in Agriculture (or approved substitute) Introduction To Computers	3
CHEM 1406	Inorganic & Envir Chemistry ¹	4
MATH 1314 or MATH 1332	Pre Calculus Algebra ² College Mathematics	3
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
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4

Major Core for Certification

AGBU 2389	Agribusiness Financl Analysis	3
ACOM 3360	Communication Skills for Agriculturists	3
AGED 3320	Interdiscip Agr Sci & Technol	3
AGED 3310	Teaching Ag Technology	3
AGED 4388	Agr Sci & Tech Program Mgt	3
AGET 4381	Adv Agricultural Mechanics	3
ANSC 3373	Animal Nutrition	3
ANSC 4360	Livestock Mgt Techniques	3
Select 3 hours of Animal Science/Equine Science:		3
ANSC 3376	Meat Science	
ANSC 4376	Sheep & Goat Production & Mgt	

ANSC 4380	Beef Cattle Production & Mgmt	
EQSC 2364	Equine Science	
PLSC 2399	Floral Design ³	3
PLSC 3440	Soil Science	4
PLSC 4370	Forage Crops & Pasture Mgmt	3
or PLSC 3395	Plant Propagation Techniques	
Minor		
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 4380	Respsnblty Of Pro Agr Sci Edu	3
Total Hours		124

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

² MATH 1314 or MATH 1332 satisfy Core Curriculum requirement for Component Area II (Mathematics).

³ PLSC 2399 satisfies the Core Curriculum requirement for Component Area V (Creative Arts), the Degree Specific Requirement, and the major.

First Year

Fall	Hours Spring	Hours
AGRI 1131	1 AGET 2303	3
ANSC 1319 & ANSC 1119	4 ENGL 1302 ¹	3
ENGL 1301 ¹	3 HIST 1302 ²	3
HIST 1301 ²	3 MATH 1369 or STAT 1369	3
MATH 1314 or 1332 ³	3 PLSC 1307 & PLSC 1107	4
	14	16

Second Year

Fall	Hours Spring	Hours
Component Area III (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaiii)	4 Component Area VIII (ANSC 2360 is recommended)	3
AGBU 2317	3 Component Area IX (catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaix)	1
AGRI 1309 or CSTE 1330	3 AGBU 2389	3

PLSC 2399 ⁴	3 CHEM 1406 ⁶	4
POLS 2305 ⁵	3 POLS 2306 ⁵	3
	16	14

Third Year

Fall	Hours Spring	Hours Summer	Hours
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)	3 AGED 3310	3
AGED 3320	3 ACOM 3360	3 AGED 4388	3
AGET 4381	3 ANSC 4360	3	
ANSC 3373	3 ANSC OR EQSC Production Elective	3	
PLSC 3440	4 CISE 3384	3	
	16	15	6

Fourth Year

Fall	Hours Spring	Hours
CISE 4364	3 AGED 4364	3
CISE 4378	3 AGED 4365	3
CISE 4379	3 AGED 4366	3
CISE 4380	3 AGED 4380	3
PLSC 4370 or 3395	3	
	15	12

Total Hours: 124

- ¹ Satisfies Core Curriculum requirement for Component Area II (Mathematics).
- ² Satisfies Core Curriculum requirement for Component Area I (Communications).
- ³ Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
- ⁴ Satisfies Core Curriculum requirement for Component Area V (Creative Arts).
- ⁵ Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
- ⁶ Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).