

# 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](http://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 <sup>1</sup>	4
MATH 1314	Pre Calculus Algebra <sup>2</sup>	3
or MATH 1332	College Mathematics	
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
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 1319	Animal Science	4
& ANSC 1119	and Animal Science Laboratory	

### Major Core for Certification

AGBU 2389	Agribusiness Financ'l Analysis	3
PLSC 2399	Floral Design <sup>3</sup>	3
AGED 3320	Interdiscip Agr Sci & Technol	3
AGED 3310	Teaching Ag Technology	3
PLSC 3440	Soil Science	4
ACOM 3360	Communication Skills for Agriculturists	3
ANSC 3373	Animal Nutrition	3
PLSC 4370	Forage Crops & Pasture Mgmt	3
or PLSC 3395	Plant Propagation Techniques	
ANSC 4360	Livestock Mgt Techniques	3
AGET 4381	Adv Agricultural Mechanics	3

AGED 4388	Agr Sci & Tech Program Mgt	3
Select 3 hours of Animal Science/Equine Science:		3
EQSC 2364	Equine Science	
ANSC 3376	Meat Science	
ANSC 4376	Sheep & Goat Production & Mgt	
ANSC 4380	Beef Cattle Production & Mgmt	
<b>Minor</b>		
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	Respsnbly Of Pro Agr Sci Edu	3
Total Hours		124

- <sup>1</sup> CHEM 1406 satisfies the requirement for Component Area III and the degree specific requirement.
- <sup>2</sup> MATH 1314 or MATH 1332 satisfy Component Area II.
- <sup>3</sup> PLSC 2399 satisfies the requirement for Component Area V, the degree specific requirement, and the major requirement.

**First Year**

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

**Second Year**

Fall	Hours Spring	Hours
AGBU 2317	3 AGBU 2389	3
AGRI 1309 or CSTE 1330	3 CHEM 1406 <sup>6</sup>	4
PLSC 2399 <sup>4</sup>	3 POLS 2306 <sup>5</sup>	3
POLS 2305 <sup>5</sup>	3 Component Area VIII (ANSC 2360 is recommended)	3
Component Area III ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii">catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaiii</a> )	4 Component Area IX ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix">catalog.shsu.edu/ undergraduate/ academic-policies- procedures/degree- requirements- academic-guidelines/ core-curriculum/ #componentareaix</a> )	1
	16	14

**Third Year**

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

**Fourth Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
PLSC 4370 or 3395	3 AGED 4364	3
CISE 4364	3 AGED 4365	3
CISE 4377	3 AGED 4366	3
CISE 4378	3 AGED 4380	3
CISE 4380	3	
	15	12

Total Hours: 124

- 1 Satisfies Component Area II.
- 2 Satisfies Component Area I.
- 3 Satisfies Component Area VI.
- 4 Satisfies Component Area V.
- 5 Satisfies Component Area VII.
- 6 Satisfies Component Area III.