

# BACHELOR OF SCIENCE, MAJOR IN AGRICULTURAL BUSINESS WITH TEACHING CERTIFICATION

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

The primary emphasis of the teaching 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 education and secondary pedagogy. This comprehensive and diverse background prepares students for a wide variety of professional agricultural careers.

The teaching 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 select CISE as their minor.

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

Code	Title	Hours
<b>Bachelor of Science, Major in Agricultural Business with Teaching Certification</b>		
Core Curriculum ( <a href="http://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/</a> )		
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
<b>Degree Specific Requirements</b>		
ACOM 3360 or ENGL 3330	Communication Skills for Agriculturists Intro to Technical Writing	3
AGRI 1309 or CSTE 1330	Computers in Agriculture (or approved substitute) Introduction to Computers	3
CHEM 1406	Inorganic & Envir Chemistry <sup>1</sup>	4
MATH 1324	Mth for Mngl Decision Making <sup>2</sup>	3
STAT/MATH 1369	Elementary Statistics	3
<b>Agricultural Business Major Core</b>		
AGBU 2317	Principles of Agri Economics	3
AGBU 2385	Analysis of the Agr Sector	3
AGBU 2389	Agribusiness FinancI 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 or UNIV 1301	Intro to Pro Leadership Skills Intro To Collegiate Studies	1
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4
<b>Agricultural Business Major Core for Teaching Certification</b>		
AGED 3310	Teaching Ag Technology	3
AGED 3320	The Secondary Agriculture Education Program	3
AGED 4388	Secondary Agriculture Education Program Management	3

AGET 2303	Intro to Ag Engineering Tech	3
AGET 4381	Adv Agricultural Mechanics	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	
<b>Teaching Certification</b>		
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 Education Courses - AGED		
AGED 4364	Methods of Teaching Agricultural Education	3
AGED 4365	Student Teaching in Agriculture Education	3
AGED 4366	Student Teaching in Agriculture Education	3
AGED 4394	Agriculture Education Learning Environments	3
Total Hours		139

<sup>1</sup> CHEM 1406 satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science) and the Degree Specific requirement.

<sup>2</sup> MATH 1324 satisfies Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirement.

### Notes

Students must earn a 2.5 minimum GPA in all Education coursework (SHSU and cumulative).

Students must earn a "C" or better in all Education coursework.

Students must earn a cumulative 2.0 GPA in all Agricultural Business major courses.

### First Year

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

**Second Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Component Area VIII ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii">http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii</a> )		3 Component Area III ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii">http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii</a> )	4
AGBU 2317		3 Component Area IV ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv">http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv</a> )	3
AGBU 2385		3 Component Area V ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav">http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav</a> )	3
CHEM 1406 <sup>4</sup>		4 AGBU 2389	3
POLS 2305 <sup>5</sup>		3 KINE 2115, NGLI 1101, or ECON 1100 <sup>6</sup>	1
		POLS 2306 <sup>5</sup>	3
		<b>16</b>	<b>17</b>

**Third Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>	<b>Summer</b>	<b>Hours</b>
ACOM 3360 or ENGL 3330		3 AGBU 3361		3 Component Area IX ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix">http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix</a> )	3
AGBU 3367		3 AGBU 4340		3 AGED 3310	3
AGBU 4363		3 ANSC 3373		3 AGED 4388	3
AGED 3320		3 Animal Production Elective <sup>7</sup>		3 AGET 4381	3
CISE 3384		3 CISE 4378		3	
		CISE 4380		3	
		<b>15</b>		<b>18</b>	<b>12</b>

**Fourth Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
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 Animal Production Electives from the course list below.

<b>Code</b>	<b>Title</b>	<b>Hours</b>
<b>Animal Production Elective Courses</b> <sup>7</sup>		
ANSC 3376	Meat Science	3
ANSC 4376	Sheep & Goat Production & Mgt	3
ANSC 4380	Beef Cattle Production & Mgmt	3
EQSC 2364	Equine Science	3
WMGT 3381	Game Animal Production	3

**Notes**

Students must earn a 2.5 minimum GPA in all Education coursework (SHSU and cumulative).

Students must earn a "C" or better in all Education coursework.

Students must earn a cumulative 2.0 GPA in all Agricultural Business major courses.

The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's **60x30TX plan** and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Agricultural Business with Teaching Certification is designed to provide graduates with the following marketable skills:

- Manage, organize, and conduct Supervised Agricultural Experience Programs and Leadership, Career, and Speaking Development Events.
- Develop annual and long range plans (program of activity, semester, and lesson plans, etc.).
- Use effective research-based techniques to develop a positive classroom environment.
- Create lessons and units of instruction to meet the Texas Essential Knowledge and Skills requirements for Agriculture, Food, and Natural Resources classes.