

# BACHELOR OF SCIENCE, DOUBLE MAJOR IN EDUCATION AND INTERDISCIPLINARY AGRICULTURE

Code	Title	Hours
<b>Bachelor of Science, Double Major in Education and Interdisciplinary Agriculture</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) <sup>1</sup>		3
Component Area III (Life and Physical Science) <sup>2</sup>		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts) <sup>3</sup>		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences) <sup>4</sup>		3
Component Area IX (Component Area Option) <sup>5</sup>		4
<b>Degree Specific Requirements</b>		
AGRI 1309 or CSTE 1330	Computers in Agriculture (or approved substitute) Introduction to Computers	3
CHEM 1406	Inorganic & Envir Chemistry <sup>2</sup>	4
KINE 2115 or ECON 1100 or NGLI 1101	Lifetime Health and Wellness <sup>5</sup> Economics of Social Problems Research in the Digital Age	1
MATH 1314 or MATH 1324 or MATH 1332 or MATH 1342	Pre Calculus Algebra <sup>1</sup> Mth for Mngr Decision Making College Mathematics Elementary Statistics	3
<b>Major: Required (Education)</b>		
CISE 3384	The Teaching Profession	3
CISE 4364	Mth Tch Secondary Schools	3
CISE 4379	Differentiated Pedagogy	3
CISE 4380	Respon Of Pro Educator	3
READ 4378	Multiple Literacies in Secondary Education	3
SPED 3301	Learn and Instruc Child W/Disa	3
TESL 4303	Teaching Eng As A Second Lang	3
<b>Major: Required (Interdisciplinary Agriculture)</b>		
ACOM 3360	Communication Skills for Agriculturists	3
AGBU 2317	Principles of Agri Economics	3
AGBU 2389	Agribusiness Financl Analysis	3
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
AGRI 1131	Intro to Pro Leadership Skills	1
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
ANSC 3373	Animal Nutrition	3
ANSC 4360	Livestock Mgt Techniques	3
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4

PLSC 2399	Floral Design <sup>3</sup>	3
PLSC 3440	Soil Science	4
PLSC 4370 or PLSC 3395	Forage Crops & Pasture Mgmt Plant Propagation Techniques	3
<b>Major: Prescribed Electives</b>		
Select 3 hours from 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>Secondary Ed Courses - AGED</b>		
AGED 4364	Methods of Teaching Agriculture 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
<b>Minor: Not Required<sup>6,7</sup></b>		
<b>Total Hours</b>		<b>127</b>

- <sup>1</sup> MATH 1314, MATH 1324, MATH 1332, of MATH 1342 satisfy Core Curriculum requirement for Component Area II (Mathematics).
- <sup>2</sup> CHEM 1406 satisfies the Core Curriculum requirement for Component Area II (Life and Physical Science) and the Degree Specific Requirement.
- <sup>3</sup> PLSC 2399 satisfies the Core Curriculum requirement for Component Area V (Creative Arts) and the major.
- <sup>4</sup> ANSC 2360 is recommended.
- <sup>5</sup> Satisfies 1 hour of Core Curriculum requirement for Component Area IX (Component Area Option).
- <sup>6</sup> A minor is not required for this degree program; however, a student has the option to add a minor, but to do so additional semester credits hours may be needed above the degree program's stated total semester credit hours
- <sup>7</sup> All minors can be paired with this degree program.

### Notes

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

Students must maintain a 2.75 GPA or greater overall or in the last 60 semester hours. This includes transfer and SHSU courses.

Students must earn a "C" in or better in all Agricultural Sciences major coursework.

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

Students must earn a 2.75 GPA (overall or in the last 60 hours) to be eligible for teacher certification.

### First Year

Fall	Hours	Spring	Hours
MATH 1314, 1324, 1332, or 1342 <sup>1</sup>		3 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> ) <sup>5</sup>	3
AGRI 1131		1 AGET 2303	3

ANSC 1319 & ANSC 1119	4 ENGL 1302 <sup>2</sup>	3
ENGL 1301 <sup>2</sup>	3 HIST 1302 <sup>3</sup>	3
HIST 1301 <sup>3</sup>	3 PLSC 1307 & PLSC 1107	4
KINE 2115, NGLI 1101, or ECON 1100 <sup>4</sup>	1	
	<b>15</b>	<b>16</b>

**Second Year**

Fall	Hours	Spring	Hours	Summer	Hours
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 Component Area IV ( <a href="http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv">http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiv</a> )			3
AGBU 2317		3 AGBU 2389			3
AGRI 1309 or CSTE 1330		3 CHEM 1406 <sup>8</sup>			4
PLSC 2399 <sup>6</sup>		3 CISE 3384			3
POLS 2305 <sup>7</sup>		3 POLS 2306 <sup>7</sup>			3
		<b>16</b>			<b>16</b>

**Third Year**

Fall	Hours	Spring	Hours	Summer	Hours
AGED 3320		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 AGED 3310	3
AGET 4381		3 ANSC 4360		3 AGED 4388	3
ANSC 3373		3 READ 4378			3
CISE 4380		3 SPED 3301			3
PLSC 3440		4 Animal Production Elective <sup>9</sup>			3
		<b>16</b>			<b>15</b>

**Fourth Year**

Fall	Hours	Spring	Hours	Summer	Hours
ACOM 3360		3 AGED 4364			3
CISE 4364		3 AGED 4365			3
CISE 4379		3 AGED 4366			3
PLSC 4370 or 3395		3 AGED 4394			3
TESL 4303		3			
		<b>15</b>			<b>12</b>

**Total Hours: 127**

<sup>1</sup> MATH 1314, MATH 1324, MATH 1332, or MATH 1342 satisfy Core Curriculum requirement for Component Area II (Mathematics).

<sup>2</sup> Satisfies the Core Curriculum requirement for Component Area I (Communication).

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- <sup>3</sup> Satisfies the Core Curriculum requirement for Component Area VI (U.S. History).
- <sup>4</sup> Satisfies one hour of Core Curriculum requirement for Component Area IX (Component Area Option).
- <sup>5</sup> ANSC 2360 is recommended.
- <sup>6</sup> Satisfies Core Curriculum requirement for Component Area V (Creative Arts) and majors.
- <sup>7</sup> Satisfies the Core Curriculum requirement for Component Area VII (Political Science/Government).
- <sup>8</sup> Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).
- <sup>9</sup> Select one of the Animal Production Elective courses from the list below.

Code	Title	Hours
<b>Animal Production Electives <sup>6</sup></b>		
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

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- All minors can be paired with this degree program.

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 with a Double Major in Education and Interdisciplinary Agriculture is designed to provide graduates with the following marketable skills:

- Demonstrate technical knowledge and skills necessary for entry level Agriculture, Food, and Natural Resources teachers in Agricultural Business, Agricultural Communication, Agricultural Engineering Technology, Animal Science, and Plant and Soil Science.
- Manage, organize, and conduct Supervised Agricultural Experience Programs, 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.