

# BACHELOR OF SCIENCE, MAJOR IN INTERDISCIPLINARY AGRICULTURE: AGRICULTURAL INDUSTRIES

Code	Title	Hours
<b>Bachelor of Science, Major in Interdisciplinary Agriculture: Agricultural Industries Concentration</b>		
<b>Core Curriculum</b>		
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)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences) <sup>3</sup>		3
Component Area IX (Component Area Option)		4
<b>Degree Specific Requirements</b>		
CHEM 1406 or CHEM 1411	Inorganic & Environmental Chemistry <sup>2</sup> General Chemistry I	4
MATH 1314 or MATH 1324 or MATH 1332	Pre Calculus Algebra <sup>1</sup> Mathematics for Managerial Decision Making College Mathematics	3
MATH 1342	Elementary Statistics	3
<b>Major: Interdisciplinary Agriculture</b>		
ACOM 3360	Communication Skills for Agriculturists	3
AGBU 2317	Principles of Agricultural Economics	3
AGET 2303	Introduction to Agricultural Engineering Technology	3
AGRI 1309 or CSTE 1330	Computers in Agriculture Introduction to Computers	3
AGRI 4120	Professional Career Skills	1
AGRI 4388	Principles of Agriculture Leadership & Community Development	3
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	4
ANSC 3373	Animal Nutrition	3
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	4
PLSC 3440	Soil Science	4
<b>Major: Prescribed Electives</b>		
Select 3 hours from the following: AGRI, AGBU, ACOM, AGET, AGED, ANSC, EQSC, PLSC, or WMGT		3
<b>Major: Advanced Prescribed Electives</b>		
Select 20 hours from the following: AGRI, AGBU, ACOM, AGET, AGED, ANSC, CISE, EQSC, PLSC, or WMGT		20
<b>Major Concentration: Agricultural Industries</b>		
AGED 3320	The Secondary Agriculture Education Program	3
AGED 4377	Cooperative Extension Programs	3
<b>Concentration: Ag Industries Electives</b>		
Select 12 hours from the following:		12
AGED 4364	Methods of Teaching Agriculture Education	
AGED 4394	Agriculture Education Learning Environments	
AGRI 4350	Agricultural Biosecurity	
AGRI 4371	Agricultural Safety & Health	
CATM 4360	Work-Based Mentorship <sup>4</sup>	
<b>Concentration: Advanced Prescribed Electives</b>		

Select 3 advanced hours (3000-4000) from the following: AGRI, CISE, READ, TESL, or SPED	3
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<b>Total Hours</b>	<b>120</b>
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<sup>1</sup> MATH 1314, MATH 1324 or MATH 1332 satisfy the Core Curriculum requirement for Component Area II (Mathematics).

<sup>2</sup> CHEM 1406 satisfies Core Curriculum requirement for Component Area III (Life and Physical Science) and the Degree Specific requirement.

<sup>3</sup> ANSC 2360 is recommended.

<sup>4</sup> This course can be completed up to 3 times for a total of 9 credit hours.

### 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.

### First Year

Fall	Hours	Spring	Hours
Component Area IX		1 Component Area VIII <sup>4</sup>	3
ANSC 1319 & ANSC 1119		4 AGET 2303	3
ENGL 1301 <sup>1</sup>		3 ENGL 1302 <sup>1</sup>	3
HIST 1301 <sup>2</sup>		3 HIST 1302 <sup>2</sup>	3
MATH 1314, 1324, or 1332 <sup>3</sup>		3 PLSC 1307 & PLSC 1107	4
		<b>14</b>	<b>16</b>

### Second Year

Fall	Hours	Spring	Hours
Component Area III		4 Component Area IV	3
Component Area V		3 AGED 3320	3
AGBU 2317		3 CHEM 1406 or 1411 <sup>6</sup>	4
AGRI 1309 or CSTE 1330		3 POLS 2306 <sup>5</sup>	3
POLS 2305 <sup>5</sup>		3	
		<b>16</b>	<b>13</b>

### Third Year

Fall	Hours	Spring	Hours	Summer	Hours
Advanced Prescribed Electives <sup>7</sup>		6 Component Area IX		3 Concentration: Ag Industries Elective <sup>8</sup>	3
ANSC 3373		3 Advanced Prescribed Electives <sup>7</sup>		8	
MATH 1342		3 AGRI 4388		3	
PLSC 3440		4 Concentration: Ag Industries Elective <sup>8</sup>		3	
		<b>16</b>		<b>17</b>	<b>3</b>

### Fourth Year

Fall	Hours	Spring	Hours
ACOM 3360		3 AGED 4377	3
AGRI 4120		1 Concentration: Ag industries Electives <sup>8</sup>	6
Advanced Prescribed Electives <sup>7</sup>		6 Prescribed Elective <sup>10</sup>	3

Concentration:	3	
Advanced Prescribed Electives <sup>9</sup>		
	<b>13</b>	<b>12</b>

**Total Hours: 120**

- <sup>1</sup> Satisfies the requirement for Core Curriculum Component Area I: Communications.
- <sup>2</sup> Satisfies the requirement for Core Curriculum Component Area IV: U.S. History.
- <sup>3</sup> Satisfies the requirement for Core Curriculum Component Area II: Mathematics.
- <sup>4</sup> ANSC 2360 is recommended.
- <sup>5</sup> Satisfies the requirement for Core Curriculum Component Area VII: Political Science/Government.
- <sup>6</sup> CHEM 1406 satisfies the requirement for Core Curriculum Component Area III: Life and Physical Science and the Degree Specific requirement.
- <sup>7</sup> Select courses from the following: AGRI, AGBU, ACOM, AGET, AGED, ANSC, CISE, EQSC, PLSC, or WMGT.
- <sup>8</sup> Select courses from below Concentration: Ag. Industries course listing.
- <sup>9</sup> Select Advanced (3000 - 4000) hours from the following: AGRI, CISE, READ, TEST, or SPED.
- <sup>10</sup> Select 3 hours from the following: AGRI, AGBU, ACOM, AGET, AGED, ANSC, EQSC, PLSC, or WMGT.

Code	Title	Hours
<b>Concentration: Ag. Industries Electives<sup>8</sup></b>		
AGED 4364	Methods of Teaching Agriculture Education	3
AGED 4394	Agriculture Education Learning Environments	3
AGRI 4350	Agricultural Biosecurity	3
AGRI 4371	Agricultural Safety & Health	3
CATM 4360	Work-Based Mentorship	3

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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 Interdisciplinary Agriculture: Agricultural Industries Concentration is designed to provide graduates with the following marketable skills:

- Apply independent and team-working skills to accomplish objectives and meet deadlines in a variety of agricultural enterprises.
- Analyze situational aspects and engage in critical thinking skills to formulate and implement problem-solving techniques in agricultural enterprises.
- Demonstrate technical knowledge and skills necessary for entry level professionals Agricultural Business, Agricultural Communication, Agricultural Engineering Technology, Animal Science, and Plant and Soil Science.
- Collaborate with agricultural professionals to develop research based educational programs.
- Manage, organize, and conduct youth and adult educational programs.