

# 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<br>or CSTE 1330   | Computers in Agriculture (or approved substitute)<br>Introduction to Computers                           | 3     |
| CHEM 1406   | Inorganic & Envir Chemistry <sup>2</sup>   | 4     |
| KINE 2115<br>or ECON 1100<br>or NGLI 1101   | Lifetime Health and Wellness <sup>5</sup><br>Economics of Social Problems<br>Research in the Digital Age | 1     |
| MATH 1314<br>or MATH 1332   | Pre Calculus Algebra <sup>3</sup><br>College Mathematics   | 3     |
| <b>Education Major</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     |
| SPED 3301   | Learn and Instruc Child W/Disa   | 3     |
| TESL 4303   | Teaching Eng As A Second Lang  | 3     |
| <b>Interdisciplinary Agriculture Major</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<br>& ANSC 1119  | Animal Science<br>and Animal Science Laboratory  | 4     |
| ANSC 3373   | Animal Nutrition   | 3     |
| ANSC 4360   | Livestock Mgt Techniques   | 3     |
| PLSC 1307<br>& PLSC 1107  | Plant Science<br>and Plant Science Laboratory  | 4     |
| PLSC 2399   | Floral Design <sup>3</sup>   | 3     |
| PLSC 3440   | Soil Science   | 4     |

|  |   |            |
|--|---|------------|
| PLSC 4370<br>or PLSC 3395                        | Forage Crops & Pasture Mgmt<br>Plant Propagation Techniques | 3          |
| 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>Total Hours</b>                               |   | <b>127</b> |

- <sup>1</sup> MATH 1314 or MATH 1332 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).

**Notes**

Students must earn a 2.75 minimum GPA in all Education coursework (SHSU and cumulative).

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 admitted into the State Educator Preparation Program.

Students must earn cumulative "C" or better in all agricultural sciences major coursework.

**First Year**

| Fall  | Hours | Spring   | Hours     |
|---|-------|--|-----------|
| AGRI 1131                                       |       | 1 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         |
| 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         |
| KINE 2115, NGLI 1101, or ECON 1100 <sup>3</sup> |       | 1 PLSC 1307 & PLSC 1107  | 4         |
| MATH 1314 or 1332 <sup>4</sup>                  |       | 3  |           |
|   |       | <b>15</b>  | <b>16</b> |

**Second Year**

| <b>Fall</b>  | <b>Hours</b> | <b>Spring</b>   | <b>Hours</b> |
|--|--------------|---|--------------|
| 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**

| <b>Fall</b> | <b>Hours</b> | <b>Spring</b>   | <b>Hours</b> | <b>Summer</b> | <b>Hours</b> |
|-------------|--------------|---|--------------|---------------|--------------|
| 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 Animal Production Elective <sup>9</sup>   |              | 3 AGED 4388   | 3            |
| ANSC 3373   |              | 3 ANSC 4360   |              |               | 3            |
| CISE 4380   |              | 3 CISE 4378   |              |               | 3            |
| PLSC 3440   |              | 4 SPED 3301   |              |               | 3            |
|             |              | <b>16</b>   |              | <b>15</b>     | <b>6</b>     |

**Fourth Year**

| <b>Fall</b>       | <b>Hours</b> | <b>Spring</b> | <b>Hours</b> |
|-------------------|--------------|---------------|--------------|
| 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**

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

**Notes**

Students must earn a 2.75 minimum GPA in all Education coursework (SHSU and cumulative).

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 admitted into the State Educator Preparation Program.

Students must earn cumulative "C" or better in all agricultural sciences coursework.

| Code   | Title                         | Hours |
|--|-------------------------------|-------|
| <b>Animal Production Electives<sup>9</sup></b> |                               |       |
| EQSC 2364                                      | Equine Science                | 3     |
| ANSC 3376                                      | Meat Science                  | 3     |
| WMGT 3381                                      | Game Animal Production        | 3     |
| ANSC 4376                                      | Sheep & Goat Production & Mgt | 3     |
| ANSC 4380                                      | Beef Cattle Production & Mgmt | 3     |

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.