

BACHELOR OF SCIENCE, DOUBLE MAJOR IN EDUCATION AND INTERDISCIPLINARY AGRICULTURE

| Code | Title | Hours |
|---|--|-------|
| Bachelor of Science, Double Major in Education and Interdisciplinary Agriculture | | |
| 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) ¹ | | 3 |
| Component Area III (Life and Physical Science) ² | | 8 |
| Component Area IV (Language, Philosophy, and Culture) | | 3 |
| Component Area V (Creative Arts) ³ | | 3 |
| Component Area VI (U.S. History) | | 6 |
| Component Area VII (Political Science/Government) | | 6 |
| Component Area VIII (Social and Behavioral Sciences) ⁴ | | 3 |
| Component Area IX (Component Area Option) ⁵ | | 4 |
| Degree Specific Requirements | | |
| AGRI 1309 or CSTE 1330 | Computers in Agriculture (or approved substitute) Introduction to Computers | 3 |
| CHEM 1406 | Inorganic & Envir Chemistry ² | 4 |
| KINE 2115 or ECON 1100 or NGLI 1101 | Lifetime Health and Wellness ⁵ Economics of Social Problems Research in the Digital Age | 1 |
| MATH 1314 or MATH 1332 | Pre Calculus Algebra ¹ College Mathematics | 3 |
| Major: Required (Education) | | |
| 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 |
| Major: Required (Interdisciplinary Agriculture) | | |
| 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 ³ | 3 |
| PLSC 3440 | Soil Science | 4 |

| | | |
|--|---|------------|
| PLSC 4370 or PLSC 3395 | Forage Crops & Pasture Mgmt Plant Propagation Techniques | 3 |
| Major: Prescribed Electives | | |
| 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 | |
| Secondary Ed Courses - AGED | | |
| 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 |
| Minor: Not Required ^{6,7} | | |
| Total Hours | | 127 |

¹ MATH 1314 or MATH 1332 satisfy Core Curriculum requirement for Component Area II (Mathematics).

² CHEM 1406 satisfies the Core Curriculum requirement for Component Area II (Life and Physical Science) and the Degree Specific Requirement.

³ PLSC 2399 satisfies the Core Curriculum requirement for Component Area V (Creative Arts) and the major.

⁴ ANSC 2360 is recommended.

⁵ Satisfies 1 hour of Core Curriculum requirement for Component Area IX (Component Area Option).

⁶ 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

⁷ 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 admitted into the State Educator Preparation Program.

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.

All minors can be paired with this degree program.

First Year

| Fall | Hours | Spring | Hours |
|-----------|-------|--|-------|
| AGRI 1131 | | 1 Component Area VIII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii) ⁵ | 3 |

| | | | |
|--|-----------|--------------------------|-----------|
| ANSC 1319 & ANSC 1119 | 4 | AGET 2303 | 3 |
| ENGL 1301 ¹ | 3 | ENGL 1302 ¹ | 3 |
| HIST 1301 ² | 3 | HIST 1302 ² | 3 |
| KINE 2115, NGLI 1101, or ECON 1100 ³ | 1 | PLSC 1307 & PLSC 1107 | 4 |
| MATH 1314 or 1332 ⁴ | 3 | | |
| | 15 | | 16 |

Second Year

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

Third Year

| Fall | Hours | Spring | Hours | Summer | Hours |
|-----------|-------|---|-------|-------------|----------|
| AGED 3320 | | 3 Component Area IX (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix) | | 3 AGED 3310 | 3 |
| AGET 4381 | | 3 Animal Production Elective ⁹ | | 3 AGED 4388 | 3 |
| ANSC 3373 | | 3 ANSC 4360 | | 3 | |
| CISE 4380 | | 3 READ 4378 | | 3 | |
| PLSC 3440 | | 4 SPED 3301 | | 3 | |
| | | 16 | | 15 | 6 |

Fourth Year

| Fall | Hours | Spring | 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 | |
| | | 15 | 12 |

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).

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- ³ Satisfies one hour of Core Curriculum requirement for Component Area IX (Component Area Option).
- ⁴ MATH 1314 or MATH 1332 satisfy 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.

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All minors can be paired with this degree program.

| Code | Title | Hours |
|---|-------------------------------|-------|
| Animal Production Electives ⁹ | | |
| 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.