# BSAG- Agriculture – Teacher Certification (SC-BSAG/AG/EDU/AG6)

2024 Catalog year: College of Science and Engineering

## Freshman Fall semester

AG 1110 (F,S)
Careers in Agriculture
*TCCNS: AGRI 1131*

AG 1445 (F,S)
Basic Animal Science
*TCCNS: AGRI 1419*

3-4 Hours from:
MATH 1315,
MATH 1319,
or MATH 2417

**CHEM 1341**
**Prerequisite Requirements:**

**Must complete 1 of the following mathematics prerequisites:**

- MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 - any with a grade of "C" or better
- ACT Mathematics score of 24 or better
- New ACT Mathematics score of 25 or better
- SAT Mathematics score of 550 or better
- Accuplacer College Mathematics score of 86 or better
- Compass College Algebra score of 46 or better
- Next-Generation Advanced Algebra and Functions Test of 263 or better

**AND**

**Must complete 1 of the following to demonstrate Chemistry Readiness:**

- Completion of Chemistry Readiness Exam with a score of 80 or better
- CHEM 1320 grade of "C" or better

## Freshman Spring semester

AG 2390 (F,S)
Computer Applications in Agriculture
*TCCNS: AGRI 1309*

BIO 1330
+
BIO 1130
(F,S,Su)
Functional Biology
*TCCNS: BIOL 1306+1106 or 1406*

**Must be TSI Satisfied in ELAR**

## Sophomore Fall semester

AG 2383 (F,S)
Introduction to Agricultural Economics
*TCCNS: AGRI 2317*

AG 2373 (F,S)
Introduction to Agricultural Engineering
*TCCNS: AGRI 2303*

AG 2313 (F)
Agronomic Crops
*TCCNS: AGRI 1307*

***OR***

AG 2379 (S,Su)
General Horticulture
*TCCNS: AGRI 1315*

## Sophomore Spring semester

CHEM 1341
+
CHEM 1141
(F,S,Su)
General Chemistry I
*TCCNS: CHEM 1311+1111 or 1411*

**(See Note for Prerequisite Information)**

AG 2374 (S)
Metal Fabrication and Welding Technology for Agriculture

## Junior Fall semester

AG 3426 (F,S)
Soil Science I
*(Additional Prerequisite: 3 hours from AG 2313 or AG 2379 or BIO 1330)*

AG 3345 (F,S)
Livestock Selection and Evaluation

AG 4212 (F)
Program Building

AG 3319 (F,S,Su)
International Food and Fiber Systems

AG 3310 (F)
International Food and Fiber Systems

***OR***

AG 3353 (Su,F)
Agricultural Structures and Environment

***OR***

AG 4361 (F)
Agriculture Electric and Mechanical Systems
*(Check Prerequisites)*

## Junior Spring semester

**Choose 3 hours from the Following:**
*(Check Prerequisites)*

AG 3317 (F)
Farm Management

AG 3318 (S,Su)
Agricultural Business Management

AG 3341 (F,S)
Leadership Development in Agricultural Sciences

AG 4343 (S)
Organization and Management for Laboratory Programs

AG 4113 (Su)
Summer Programs in Agricultural Education

AG 4307 (F,S,Su)
Professional Development in Agriculture

CI 3325 (F,S)
Adolescents & Society

## Senior Fall semester

AG 2318 (F,S)
Anatomy and Physiology of Livestock and Poultry

***OR***

AG 3325 (F,S)
Animal Nutrition
*(Check Prerequisites)*

**Admission to the Educator Preparation Program requires the following:**
- admittance into Teaching Program
- CI 2310, 4332 and CI 3325 with a C or higher
- 2.75+ overall GPA
- junior or senior classification
- application and approval to the block experience

Must be admitted to the Educator Preparation Program

AG 4311 (F)
Instructional Methods for Career and Technology Educators

CI 4370 (F,S)
Building Relationships in the Secondary Classroom

CI 4372 (F)
Teaching in Communities

RDG 3323 (F,S)
Teaching Literacies in the Content Areas

Must apply for student teaching

## Senior Spring semester

AG 4681
Student Teaching in Agriculture, Food, and Natural Resources 6-12

---

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science Undergraduate Advising Center for advising.

**Note:** In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

**KEY**:
Arrows indicate prerequisites.
Arrows with dotted lines indicate co-requisites.
Arrows with dash lines are recommended prerequisites.
Courses taught specific semesters are indicated with the following codes:
F-Fall Su-Summer Session I or II
S-Spring

Required WI courses: AG 4307, AG 4311
Additional WI courses: AG 3325
*See advisor to review WI options.*

**Core courses must be completed:**

| | |
|---|---|
| ___ 6 credits Core 010 | TXST options: ENG 1310, ENG 1320, ENG 1321, COMM 1310 & ENG 3303 |
| ___ 3 credits Core 020 | AG required course: MATH 1315, 1319 or 2417 |
| ___ 6 credits Core 030 | AG required course: CHEM 1341 & BIO 1330 |
| ___ 3 credits Core 040 | TXST options: PHIL 1305 or 1320, ENG 2310, 2320, 2330, 2340, 2359, 2360, or 2371 |
| ___ 3 credits Core 050 | TXST options: ART 2313, DAN 2313, MU 2313, or TH 2313 |
| ___ 6 credits Core 060 | TXST options:[HIST 1310/2327/2381] & [HIST 1320/2328/2382] |
| ___ 6 credits Core 070 | TXST options: POSI 2310 & POSI 2320 |
| ___ 3 credits Core 080 | TXST options: ANTH 1312, ECO 2301, ECO 2314, GEO 1310, PSY 1300, SOCI 1310, CA 2351, PFW 1301 |
| ___ 6 credits Core 090, 091, 092, 093, and 094 | See catalog for options: http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/ |

US 1100 may be required for some students. Consult with an advisor regarding course choices.