

**College of Agriculture & Life Sciences – Bachelor of Science in Crop and Soil Environmental Science – Crop & Soil Sciences (CSS) Major**  
**AGRONOMY option; for students graduating calendar year 2018**

**Curriculum for Liberal Education (CLE) Requirements (26 credits)**

- \_\_ CHEM 1035 (3) General Chemistry (CLE 4) - **B**
- \_\_ CHEM 1045 (1) General Chemistry Lab (CLE 4) - **B**
- \_\_ CHEM 1036 (3) General Chemistry (CLE 4) - **S**
- \_\_ CHEM 1046 (1) General Chemistry Lab (CLE 4) - **S**
- \_\_ MATH 1014 (3) PreCal Transcendental Functions (CLE 5) - **B**
- \_\_ STAT 2004 (3) Intro Statistics (CLE 5) - **B**
- \_\_ AAEC 1005 (3) Econ of Food & Fiber (CLE 3) - **B**  
    or ECON 2005 Principles of Economics CLE 3) - **B**
- \_\_ AAEC 1006(3) Econ of Food & Fiber (CLE 3) - **B**  
    or ECON 2006 Principles of Economics CLE 3) - **B**
- \_\_ ENGL 1105 (3) First-Year Writing (CLE 1) - **B**
- \_\_ ENGL 1106 (3) First-Year Writing (CLE 1) - **B**

**Additional Curriculum for Liberal Education (10-12 credits)**

CLE Area 2 (Ideas, Cultural Trad.) – select from approved list

- \_\_ \_\_\_\_\_ (3) \_\_\_\_\_
- \_\_ \_\_\_\_\_ (3) \_\_\_\_\_

CLE Area 6 (Creativity/Aesthetic Exp.) – select from approved list

- \_\_ \_\_\_\_\_ (1 or 3) \_\_\_\_\_
- \_\_ CSES 3444 (3) World Crops & Systems (CLE 7)

**Specific Course Requirements for CSS Major (30 credits)**

- \_\_ ALCE 3634 (3) Communicating Ag in Speaking - **B**  
    or COMM 2004 Public Speaking - **B**
- \_\_ ALCE 3624 (3) Communicating Ag in Writing - **B**  
    or ENGL 3764 Technical Writing - **B**
- \_\_ BIOL 1105 (3) Principles of Biology – **F**
- \_\_ ALS 1234 (1) CALS First Year Seminar
- \_\_ CSES 2444 (3) Agronomic Crops - **F**
- \_\_ CSES 3114 (3) Soils - **F**
- \_\_ CSES 3124 (1) Soils Lab - **F**
- \_\_ CSES 4214 (3) Soil Fertility - **F**
- \_\_ CSES 4864 (3) Capstone: Crop & Soil Sciences - **F**
- \_\_ ENSC 1015 (3) Found Environ Science - **F**
- \_\_ PPWS 4104 (4) Plant Pathology - **F**

**Agronomy option Requirements (30 credits)**

- \_\_ AAEC 2434 (3) Foundations of Agribusiness - **B**
- \_\_ BIOL 1106 (3) Principles of Biology - **S**
- \_\_ BIOL 2004 (3) Genetics – **B**
- \_\_ CSES 4134 (3) Soil Genesis & Classification – **S**
- \_\_ CSES 4144 (3) Plant Breeding & Genetics – **S (2017, 2019)**
- \_\_ CSES 4344 (3) Crop Physiology & Ecology - **S**
- \_\_ CSES 4354 (3) Advanced Agronomic Crops **S**
- \_\_ CSES 4544 (3) Forage Crop Ecology – **S**
- \_\_ ENT 4254 (3) Insect Pest Management - **S**
- \_\_ PPWS 4604 (3) Biological Invasions - **F**

**RESTRICTED ELECTIVES (minimum 18 credits)**

From approved courses or complete a Minor listed on the next page

- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_

Only FREE ELECTIVE courses may be taken P/F.

**FREE ELECTIVES (minimum 6 credits toward graduation)**

- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_ \_\_\_\_\_ ( ) \_\_\_\_\_

**TOTAL CREDITS REQUIRED FOR GRADUATION = 120**  
**with required minimum 2.0 overall and in-major GPA**

**KEY:**  
**(#)** - # of credits earned for that class  
**B** – class is offered both fall and spring semester  
**F** – class is offered only fall semester  
**S** – class is offered only spring semester  
**V** – class is offered at variable times  
**W** – class is offered winter session

College of Agriculture & Life Sciences — B.S. in CSES — AGRONOMY option; for students graduating calendar year 2018

**RESTRICTED ELECTIVES for AGRONOMY option**

Any course applied as CLE Area 2, 6, 7 or Major requirements may not also count as a Restricted Elective

Take a Minimum of 18 credits from list below

**OR complete an approved Minor**

___ AAEC 3004 (3)	Ag Prod & Consumption Econ
___ AAEC 3314 (3)	Environmental Law
___ AAEC 3504 (3)	Marketing Agricultural Products
___ AAEC 3604 (3)	Agricultural Law
___ BIOL 2804 (3)	Ecology
___ CSES 2434 (2)	Crop Evaluation
___ CSES 2564 (3)	Turfgrass Management
___ CSES 3144 (3)	Soil Description & Interpretation
___ CSES 3614 (3)	Soil Physical & Hydrologic Properties
___ CSES 3644 (3)	Plant Materials for Environmental Restoration
___ CSES 4334 (3)	Agro-Forestry
___ CSES 4444 (3)	Managed Ecosystems Serv & Sust
___ CSES 4644 (3)	Land Based Waste Treatment
___ HORT 2234 (3)	Environmental Factors in Horticulture
___ ENT 3014 (3)	Insect Biology
___ ENT 3024 (1)	Insect Biology Lab
___ ENT 4264 (3)	Pesticide Usage
___ PPWS 4754 (3)	Weed Science: Prin & Prac

Approved Minors or one approved by their advisor

Agribusiness Management  
Agricultural and Applied Economics  
Animal and Poultry Sciences  
Civic Agriculture and Food Systems  
Dairy Science  
Entomology  
Environmental Economics, Management and Policy  
Environmental Sciences

Approved Minors (continued)

Horticulture  
Food Science and Technology  
International Agriculture  
International Trade and Development  
Leadership and Social Change  
Turfgrass Management  
Wetland Science

**ELIGIBILITY FOR CONTINUED ENROLLMENT**

By the end of the academic year in which the student has attempted 60 credits (including transfer, advanced placement, advanced standing and credit by examination), "satisfactory progress" toward a B.S. degree in CSES will include:

1. Having a grade point average of at least 2.0, overall and in major (includes classes in CSES, ENSC, ENT, HORT, and PPWS)
2. Declaring an Option within the CSS Major
3. Passing the following:
  - At least 24 credits that apply to the Curriculum for Liberal Education
  - CHEM 1035 and 1036
  - ALS 1234, CSES3114 and 3124
  - 6 credits of Math and/or Stat

Note: A sequence of two foreign language courses is required unless two years of the same high school foreign language or 6 transfer credits of the same foreign language are completed. These credits **do not** count toward graduation requirements.

Note: Some courses on this checksheet may have prerequisites. Please check the Catalog.