

**College of Agriculture & Life Sciences — Bachelor of Science in Crop and Soil Environmental Sciences — BS CSS CRGB**  
**CROP GENETICS & BREEDING option; or students graduating calendar year 2020**

**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) \_\_\_\_\_

CLE Area 7 (Global Context) – select from approved list  
(3) \_\_\_\_\_

**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 - **F**
- \_\_\_ 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**

**Crop Genetics & Breeding option, required courses (39 credits)**

- \_\_\_ BIOL 1106 (3) Principles of Biology - **S**
- \_\_\_ BIOL 2004 (3) Genetics - **B**
- \_\_\_ BIOL 2104 (3) Cell and Molecular Biology - **B**
- \_\_\_ BIOL 2304 (3) Plant Biology - **B**
- \_\_\_ BIOL 3774 (3) Molecular Biology - **F**
- \_\_\_ BIOL 3104 (1) Cell Molecular Biology Lab-**B**
- \_\_\_ BCHM 3114(3) Biochem for Biotech - **F**
- \_\_\_ BCHM 4784(3) Biotech Applications - **S**
- \_\_\_ CHEM 2535,6 (3,3) Organic Chemistry – **F, S**
- \_\_\_ CHEM 2545,6 (1,1) Organic Chemistry Lab – **F, S**
- \_\_\_ CSES 4144 (3) Plant Breeding & Genetics – **S (2017)**
- \_\_\_ CSES 4344 (3) Crop Physiology & Ecology - **S**
- \_\_\_ MATH 1025(3) Elementary Calculus **B**

**RESTRICTED ELECTIVES (choose 6 or 7 credits)**

- \_\_\_ BIOL 2404 (3) Biotech in Global Soc - **S**
- \_\_\_ CSES 3644 (3) Plant for Envir Rest - **F**
- \_\_\_ PPWS 2104 (3) Domesticating the Gene - **W**
- \_\_\_ CSES 4354 (3) Advanced Agronomic Crops-**S**
- \_\_\_ PPWS 4754 (3) Weed Science: Prin & Prac - **V**

Only FREE ELECTIVE courses may be taken P/F.

**FREE ELECTIVES (minimum 9 credits toward graduation)**

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

**TOTAL CREDITS REQUIRED FOR GRADUATION = 120**  
**with required minimum 2.0 overall and in-major GPA**  
**(includes CSES, ENSC, ENT, HORT, and PPWS)**

**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**

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**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. Declaring an Option within the CSS Major
2. Passing the following:
  - At least 24 credits that apply to the Curriculum for Liberal Education
  - Chem 1035 and 1036
  - ALS 1234, CSES 3114 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 Course Catalog or your Academic Advisor.