

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 2021

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 2134 (3) Cell and Function Differentiation – **F, S, SI**
- __ 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 – **sub w/ appr. course**
- __ 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 - **W**

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 checklist may have prerequisites. Please check the Course Catalog or your Academic Advisor.