

College of Agriculture & Life Sciences – Bachelor of Science in Crop and Soil Environmental Science – *Crop & Soil Sciences (CSS) Major*
CROP GENETICS & BREEDING option; for students graduating calendar year 2016

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

__ Chem 1035	(3)	General Chemistry (CLE 4)
__ Chem 1045	(1)	General Chemistry Lab (CLE 4)
__ Chem 1036	(3)	General Chemistry (CLE 4)
__ Chem 1046	(1)	General Chemistry Lab (CLE 4)
__ Math 1015	(3)	Calculus with Trig I (CLE 5)
__ Stat 2004	(3)	Intro Statistics (CLE 5)
__ AAEC 1005	(3)	Econ of Food & Fiber (CLE 3)
or Econ 2005		Principles of Economics CLE 3)
__ AAEC 1006	(3)	Econ of Food & Fiber (CLE 3)
or Econ 2006		Principles of Economics CLE 3)
__ Engl 1105	(3)	Freshman English (CLE 1)
__ Engl 1106	(3)	Freshman English (CLE 1)

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)	_____
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CLE Area 7 (Global Context) – select from approved list

__ _____	(3)	_____
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Specific Course Requirements for CSS Major (30 credits)

__ AEE 3634	(3)	Communicating Ag in Speaking
or Comm 2004		Public Speaking
__ AEE 3624	(3)	Communicating Ag in Writing
or Engl 3764		Technical Writing
__ Biol 1105	(3)	Principles of Biology
__ CSES 1004	(1)	Introduction to CSES
__ CSES 2444	(3)	Agronomic Crops
__ CSES 3114	(3)	Soils
__ CSES 3124	(1)	Soils Lab
__ CSES 4214	(3)	Soil Fertility
__ CSES 4864	(3)	Capstone: Crop & Soil Sciences
__ ENSC 1015	(3)	Found Environ Science
__ PPWS 4104	(4)	Plant Pathology

Crop Genetics & Breeding option, required courses (41 credits)

__ Biol 1106	(3)	Principles of Biology
__ Biol 2004	(3)	Genetics
__ Biol 2104	(3)	Cell and Molecular Biology
__ Biol 2304	(3)	Plant Biology
__ Biol 3774	(3)	Molecular Biology
__ Biol 4774	(3)	Molecular Biology Lab
__ BCHM 3114	(3)	Biochem for Biotech
__ BCHM 4784	(3)	Biotech Applications
__ Chem 2535,6	(3,3)	Organic Chemistry
__ Chem 2545,6	(1,1)	Organic Chemistry Lab
__ CSES 4144	(3)	Plant Breeding & Genetics
__ CSES 4344	(3)	Crop Physiology & Ecology
__ Math 1016	(3)	Calculus with Trig I

RESTRICTED ELECTIVES (choose 6 or 7 credits)

__ Biol 2404	(3)	Biotech in Global Soc
__ CSES 3644	(3)	Plant for Envir Rest
__ PPWS 2104	(3)	Domesticating the Gene
__ PPWS 3514	(1)	Plant Physiology Lab
__ PPWS 4504	(3)	Fundamentals of Plant Physiology
__ PPWS 4754	(3)	Weed Science: Prin & Prac

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

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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. 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
 - CSES 1004, 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 Catalog.