

College of Agriculture & Life Sciences  
Bachelor of Science in Crop and Soil Environmental Sciences — *BS CSS*  
*TURF TURFGRASS MANAGEMENT* option; for 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**
- \_\_\_ PPWS 4104 (4) Plant Pathology - **F**
- \_\_\_ CSES 4864 (3) Capstone: Crop & Soil Sciences - **F**
- \_\_\_ ENSC 1015 (3) Found Environ Science - **F**

**Turfgrass Management option, required courses (18 credits)**

- \_\_\_ AAEC 2434 (3) Foundations of Agribusiness - **B**
- \_\_\_ AAEC 3454 (3) Small Bus Mgt & Ent - **S**
- \_\_\_ CSES 2564 (3) Turfgrass Management - **F**
- \_\_\_ CSES 3564 (3) Golf & Sports Turf Management - **S**
- \_\_\_ ENT 4254 (3) Insect Pest Management - **S**
- \_\_\_ HORT 2234 (3) Environmental Factors in Horticulture - **S**

**RESTRICTED ELECTIVES (minimum 25 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 9 credits toward graduation)**

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

**TOTAL CREDITS REQUIRED FOR GRADUATION = 120**  
**with required minimum 2.0 overall and in-major GPA**  
**(includes classes in CSES, ENSC, 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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**RESTRICTED ELECTIVES for TURFGRASS MANAGEMENT option**

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

Select a Minimum of 25 credits from the list below OR a Minor, below

___	ALCE 3014	(3)	Leadership Effective for Ag
___	BIOL 2004	(3)	Genetics
___	BIOL 2604	(3)	Microbiology
___	BSE 2484	(3)	Engines & Power Trains
___	CHEM 2514	(3)	Survey of Organic Chemistry
___	CSES 3444	(3)	World Crops & Cropping Systems
___	ENT 4264	(3)	Pesticide Usage
___	HORT 2134	(3)	Plants & Grnsp in Urban Communit
___	HORT 2244	(3)	Plant Propagation
___	HORT 3325	(3)	Woody Landscape Plants
___	HORT 3345	(2)	Herbaceous Landscape Plants
___	HORT 3354	(3)	Urban Forestry & Arboriculture
___	HORT 3544	(2)	Landscape Construction
___	HORT 3644	(3)	Landscape Establish Mgmt
___	HORT 3584	(1)	Landscape Contracting Practicum
___	HORT 4545	(4)	Sm Scale/Resid Landscape Design
___	MGT 3304	(3)	Mgt Th & Lead Pract
___	PPWS 4264	(3)	Pesticide Usage

Approved Minors or one approved by their advisor

Agribusiness Management  
Agricultural and Applied Economics  
Civic Agriculture and Food Systems  
Entomology  
Environmental Economics, Management and Policy  
Environmental Sciences  
Horticulture  
Leadership and Social Change

**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, 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.