

College of Agriculture & Life Sciences — Bachelor of Science in Crop and Soil Environmental Science — *Crop & Soil Sciences (CSS) Major*  
TURFGRASS MANAGEMENT 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) \_\_\_\_\_

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

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

**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
- \_\_ PPWS 4104 (4) Plant Pathology
- \_\_ CSES 4864 (3) Capstone: Crop & Soil Sciences
- \_\_ ENSC 1015 (3) Found Environ Science

**Turfgrass Management option, required courses (23 credits)**

- \_\_ AAEC 2434 (3) Foundations of Agribusiness
- \_\_ AAEC 3454 (3) Small Bus Mgt & Ent
- \_\_ CSES 2564 (3) Turfgrass Management
- \_\_ CSES 3564 (3) Golf & Sports Turf Management
- \_\_ CSES 4964 (2) Field Study: Turf
- \_\_ ENT 4254 (3) Insect Pest Management
- \_\_ HORT 2154 (3) Spanish for the Green Industry
- \_\_ HORT 2234 (3) Environmental Factors in Horticulture

**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**

College of Agriculture & Life Sciences — B.S. in CSES — TURFGRASS MANAGEMENT option; for students graduating calendar year 2016

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 18 credits from the list below OR a Minor, below

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

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.

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