

**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 2018**

**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 (25 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**
- \_\_ CSES/PPWS 4964\* (2, 2) Field Study: Turf and Ornamental Weeds- **B**
- \_\_ ENT 4254 (3) Insect Pest Management - **S**
- \_\_ HORT 2154 (3) Spanish for the Green Industry - **F**
- \_\_ HORT 2234 (3) Environmental Factors in Horticulture - **S**

\*CSES/PPWS 4964 must be taken twice and may include internship, study abroad, and turf weed or disease special topics; must be approved by advisor

**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 9 credits toward graduation)**

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

**TOTAL CREDITS REQUIRED FOR GRADUATION = 120**  
**with required minimum 2.0 overall and in-major GPA**

**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

College of Agriculture & Life Sciences — B.S. in CSES — TURFGRASS MANAGEMENT option; for students graduating calendar year 2018

**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

- 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. 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
  - CHEM1035 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 Catalog.