

College of Agriculture and Life Sciences  
School of Plant and Environmental Sciences  
Bachelor of Science in Plant Science: Major in Landscape Design and Turfgrass Science  
For students entering under UG catalog 2023-2024

**Pathways to General Education (42-45 credits)**

**Concept 1 – Discourse**

**1F – Foundational**

\_\_\_\_ (3) ENGL 1105 First-Year Writing (3 credits)

\_\_\_\_ (3) ENGL 1106 First-Year Writing (3 credits)

**1A – Advanced/Applied**

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

**Concept 2 – Critical Thinking in the Humanities**

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

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

**Concept 3 – Reasoning in the Social Sciences**

\_\_\_\_ (3) AAEC 1005 Econ Food Fiber Sys or ECON 2005 Principles of Economics

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

**Concept 4 – Reasoning in the Natural Sciences (6 credits)**

\_\_\_\_ (3) CHEM 1035: General Chemistry\*

\_\_\_\_ (3) CHEM 1036: General Chemistry\*

**Concept 5 – Quantitative and Computational Thinking**

**5f – Foundational**

\_\_\_\_ (3) MATH 1014: Precalc with Transcendental

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

**5a – Advanced/Applied**

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

**Concept 6 – Critique and Practice in Design and the Arts (6 credits)**

**6d – Design**

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

**6a – Arts**

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

**Concept 7 – Critical Analysis of Identity and Equity in the United States (3 credits)** (may be double-counted with another Pathways concept)

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

**Plant Science Degree Core Requirements (23 credits)**

\_\_\_\_ (1) ALS 1234 or SPES 1004: First Year Seminar

\_\_\_\_ (3) ALCE 3634: Comm Ag & Life Sci in Speaking  
\_\_\_\_ *or* ALCE 3624: Comm Agriculture in Writing

\_\_\_\_ (3) BIOL 1105: Principles of Biology

\_\_\_\_ (3) BIOL 1106: Principles of Biology

\_\_\_\_ (3) ENSC 1015: Found Environmental Sci

\_\_\_\_ (3) HORT/BIOL 2304: Plant Biology\*

\_\_\_\_ (3) PPWS 2104: Plants Genes and People

\_\_\_\_ (4) PPWS 4104: Plant Pathology

**Landscape Design & Turfgrass Science Major Requirements (24 credits)**

\_\_\_\_ (3) AAEC 2434: Foundations of Agribusiness\*

\_\_\_\_ (3) AAEC/MGT 3454: Small Bus Mgt and Ent \*

\_\_\_\_ (3) CSES 2564: Turfgrass Management\*

\_\_\_\_ (3) CSES 3114/GEOS 3614: Soils\*

\_\_\_\_ (1) CSES 3124/GEOS 3624: Soils Laboratory\*

\_\_\_\_ (3) ENT 4254: Insect Pest Management\*

\_\_\_\_ (2) HORT 2224: Horticulture Science & Industry

\_\_\_\_ (3) HORT 2234: Envir Factors in Hort

\_\_\_\_ (3) HORT 2244: Plant Propagation

*Students will complete Landscape Design OR Turfgrass Science Concentration Requirements and Restrictive Electives*

**Landscape Design Concentration Requirements (16 credits)**

\_\_\_\_ (2) HORT 4504: Landscape Contracting\*

\_\_\_\_ (4) HORT 4545: Residential Landscape Design

\_\_\_\_ (4) HORT 4546: Residential Landscape Design

\_\_\_\_ (3) HORT 3325 or 3326: Woody Landscape Plants

\_\_\_\_ (3) HORT 3324: Herbaceous Landscape Plants\*

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Concentration Requirements and Restrictive Electives*

**Landscape Design Concentration Restricted Electives (Choose 3 credits  
from list below)**

- \_\_\_ (3) ALS 3404: Ecological Agriculture: Theory and Practice
- \_\_\_ (3) ENT 2004: Insects and Human Society
- \_\_\_ (3) ENT/PPWS 4264: Pesticide Usage\*
- \_\_\_ (3) CSES 2224: Foundations of Precision Agriculture
- \_\_\_ (3) CSES 3644: Plant for Env Rest\*
- \_\_\_ (3) HORT 2144: Indoor Plants
- \_\_\_ (3) HORT 2164: Floral Design
- \_\_\_ (3) HORT 2184: Plants Places Culture Globally
- \_\_\_ (1) HORT 4205: Public Gardens Maint & Mgt
- \_\_\_ (1) HORT 4206: Public Gardens Maint & Mgt
- \_\_\_ (3) HORT 4614: Ornamental Plant Prod & Market\*
- \_\_\_ (3) HORT/FREC 3354: Trees in the Built Environment\*
- \_\_\_ (3) HORT/CSES 3444: World Crops & Systems
- \_\_\_ (3) HORT4334: Greenhouse & CEA Management
- \_\_\_ (1-3) SPES 4964, 4974, 4994, or 3954: Field Study, Independent Study,  
Undergraduate Research, Study Abroad (only up to 3 credits total)

**Turfgrass Science Concentration Requirements (9 credits)**

- \_\_\_ (3) CSES 3564: Golf and Sports Turf Management\*
- \_\_\_ (3) CSES 4214: Soil Fertility and Management\*
- \_\_\_ (3) CSES 4864: Capstone: Crop and Soil Science

**Turfgrass Science Concentration Restricted Electives (Choose 9 credits  
from list below)**

- \_\_\_ (3) ALCE 3014: Leadership Effective for Ag
- \_\_\_ (3) ENT 20 04: Insects and Human Society
- \_\_\_ (3) ENT/PPWS 4264: Pesticide Usage\*
- \_\_\_ (3) CSES 2224: Foundations of Precision Agriculture
- \_\_\_ (3) HORT 2144: Indoor Plants
- \_\_\_ (3) HORT 2184: Plants Places Culture Globally
- \_\_\_ (1) HORT 4205: Public Gardens Maint & Mgt
- \_\_\_ (1) HORT 4206: Public Gardens Maint & Mgt

- \_\_\_ (2) HORT 4504: Landscape Contracting
- \_\_\_ (4) HORT 4545: Res Landscape Design\*
- \_\_\_ (4) HORT 4546: Res Landscape Design\*
- \_\_\_ (1-3) SPES 4964, 4974, 4994, or 3954: Field Study, Independent Study,  
Undergraduate Research, Study Abroad (only up to 3 credits total)

**Free Electives (to reach 120 Total Credit Hours)**

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**Notes:**

- Total Hours Required: 120
- \*Prerequisites: Some courses listed on this checksheet may have pre-/co-requisites; please consult the University Course Catalog or check with your advisor.
- Satisfactory Progress: 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 BS PLSC degree will include:
  - At least 24 credits that apply to the Pathways of General Education
  - Passing the following courses:  
MATH 1014, CHEM 1035 and 1036, HORT 2224 or 2234 or 2244, 6 additional HORT courses, 6 credits from CSES/ENSC 3134, ENT 4254, PPWS 4104
- GPA Requirements:
  - Overall GPA: 2.0 (each semester in order to be in good academic standing)
  - In-major GPA: 2.0 (by the time the student graduates)
    - Includes classes in: CSES, ENT, HORT, and PPWS
- Language Study Requirement - Students who do not complete two years of a single foreign or classical language or American Sign Language in high school, may do so by taking six credits of college-level foreign or classical language or American Sign Language. The six credits used to meet this requirement may not be used to satisfy the minimum number of credits required for graduation.