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 2022-2023

Pathways to General Education (44-47 credits)
Concept 1 – Discourse (9 credit hours)
1F – Foundational
   ____ (3) ENGL 1105 First-Year Writing (3 credits) – F, S
   ____ (3) ENGL 1106 First-Year Writing (3 credits) – F, S, SI, SII
1A – Advanced/Applied
   ____ (3) ________________________________ – F, S, W, SI, SII
Concept 2 – Critical Thinking in the Humanities (6 credits)
   ____ (3) ________________________________ – F, S, W, SI, SII
   ____ (3) ________________________________ – F, S, W, SI, SII
Concept 3 – Reasoning in the Social Sciences (6 credits)
   ____ (3) AAEC 1005 Econ Food Fiber Sys or ECON 2005 Principles of Economics – F, S
   ____ (3) ________________________________ – F, S, W, SI, SII
Concept 4 – Reasoning in the Natural Sciences (6 credits)
   ____ (3) CHEM 1035: General Chemistry* – F, S, SI, SII
   ____ (3) CHEM 1036: General Chemistry* – F, S, SI, SII
Concept 5 – Quantitative and Computational Thinking (11 credits) 5f – Foundational (8 credits)
   ____ (3) MATH 1014: Precalc with Transcendental – F, S, SI, SII
   ____ (3) ________________________________ – F, S, W, SI, SII
5a – Advanced/Applied (3 credits)
   ____ (3) ________________________________ – F, S
Concept 6 – Critique and Practice in Design and the Arts (6 credits) 6d – Design
   ____ (3) ________________________________ – F, S, W, SI, SII
6a – Arts
   ____ (3) ________________________________ – F, S, W, SI, SII
Concept 7 – Critical Analysis of Identity and Equity in the United States (3 credits) (may be double-counted with another Pathways concept)
   ____ (3) ________________________________ – F, S, W, SI, SII

Plant Science Degree Core Requirements (23 credits)
   ____ (1) ALS 1234 or SPES 1004: First Year Seminar – F
   ____ (3) ALCE 3634: Comm Ag & Life Sci in Writing – F, S or ALCE 3624: Comm Agriculture in Writing – F, S
   ____ (3) BIOL 1105: Principles of Biology – F, W, SI
   ____ (3) BIOL 1106: Principles of Biology – F, W, SI
   ____ (3) ENSC 1015: Found Environmental Sci – F
   ____ (3) HORT/BIOL 2304: Plant Biology* – F, S
   ____ (3) PPWS 2104: Plants Genes and People* – F
   ____ (4) PPWS 4104: Plant Pathology – F

Landscape Design & Turfgrass Science Major Requirements (24 credits)
   ____ (3) AAEC 2434: Foundations of Agribusiness* – F, S
   ____ (3) AAEC/MGT 3454: Small Bus Mgt and Ent * – S
   ____ (3) CSES 2564: Turfgrass Management* – S
   ____ (3) CSES3114/ENSC 3114/GEOS 3614: Soils* – F
   ____ (1) CSES3124/ENSC 3124/GEOS 3624: Soils Laboratory* – F
   ____ (3) ENT 4254: Insect Pest Management* – S
   ____ (2) HORT 2224: Horticulture Science & Industry – F
   ____ (3) HORT 2234: Envir Factors in Hort - S
   ____ (3) HORT 2244: Plant Propagation - S

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

Landscape Design Concentration Requirements (12 credits)
   ____ (2) HORT 4504: Landscape Contracting* – F
   ____ (4) HORT 4545: Res Landscape Design* – F
   ____ (3) HORT 3325 or 3326: Woody Landscape Plants – F or S
   ____ (3) HORT 3324: Herbaceous Landscape Plants* – F, S
Landscape Design Concentration Restricted Electives (Choose 7 credits from list below)

- (3) ALS 3404: Ecological Agriculture: Theory and Practice
- (3) ENT 2004: Insects and Human Society – F, S
- (3) ENT/PPWS 4264: Pesticide Usage* – S
- (3) CSES 2224: Foundations of Precision Agriculture
- (3) HORT 2144: Indoor Plants – F, S
- (3) HORT 2164: Floral Design – F, S
- (3) HORT 2184: Plants Places Culture Globally
- (3) HORT 2184: Plants Places Culture Globally – S
- (1) HORT 4205: Public Gardens Maint & Mgt - F
- (1) HORT 4206: Public Gardens Maint & Mgt – S
- (2) HORT 4504: Landscape Contracting - F
- (4) HORT 4545: Res Landscape Design* – F
- (4) HORT 4546: Res Landscape Design* - S

Turfgrass Science Concentration Restricted Electives (Choose 12 credits from list below)

- (3) CSES 3564: Golf and Sports Turf Management* - F
- (3) CSES 4214: Soil Fertility and Management, Turf Management* - F
- (3) ALCE 3014: Leadership Effective for Ag - F
- (3) ENT 2004: Insects and Human Society – F, S
- (3) ENT/PPWS 4264: Pesticide Usage* - S
- (3) CSES 2224: Foundations of Precision Agriculture
- (3) HORT 2144: Indoor Plants – F, S
- (3) HORT 2184: Plants Places Culture Globally
- (1) HORT 4205: Public Gardens Maint & Mgt - F
- (1) HORT 4206: Public Gardens Maint & Mgt – S
- (2) HORT 4504: Landscape Contracting - F
- (4) HORT 4545: Res Landscape Design* – F
- (4) HORT 4546: Res Landscape Design* - S

Free Electives (to reach 120 Total Credit Hours)

Notes:
- Total Hours Required: 120
- GPA Requirements:
  - Overall GPA: 2.0 (each semester to be in good academic standing)
  - In major GPA: 2.0 (each semester to be in good academic standing)

- Language Study Requirement - Students who do not complete two years of a single foreign or classical language in high school may do so by taking six credits of college-level foreign or classical language. The six credits used to meet this requirement may be used to satisfy the minimum number of credit by examination *satisfactory progress toward a BS degree will include credit by examination.

- 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 will include:
  - At least 24 credits that apply to the Pathways of General Education
  - Math 1014, Chem 1035 and 1036, HORT 2224 or 2234 or 2244, 6 additional HORT courses, 6 credits from CSES/PPWS 3134, ENT 4204, PWWS 2224, PWWS 2224 or 2244 or 2244

- Language Study Requirement - Students who do not complete two years of a single foreign or classical language in high school may do so by taking six credits of college-level foreign or classical language. The six credits used to meet this requirement may be used to satisfy the minimum number of credits for graduation.