

College of Agriculture and Life Sciences
School of Plant and Environmental Sciences
Bachelor of Science in Plant Science: Major in Environmental Horticulture
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, 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 Speaking – 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

Environmental Horticulture Major Requirements (23 credits)

- ____ (2) HORT 2224: Horticulture Science & Industry – F
____ (3) HORT 2234: Envir Factors in Hort – S
____ (3) HORT 2244: Plant Propagation – S
____ (3) HORT 4324: Greenhouse Management – F
____ (3) HORT 3325: Woody Landscape Plants* - F *or* HORT 3326: Woody Landscape Plants* – S
____ (3) HORT 3324: Herbaceous Landscape Plants* – F
____ (3) CSES/ENSC 3134: Soils in the Landscape-S
____ (3) ENT 4254: Insect Pest Management* – S

Business Requirement (9 credits)

- ____ (3) AAEC 2434: Foundations of Agribusiness* – F, S
____ (3) AAEC/MGT 3454: Small Bus Mgt & Entrepreneur* – S
____ (3) HORT 4614: Ornamental Plant Prod & Market* -S

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Restricted Electives (Choose 12 credits from list below)

- ___ (3) AAEC 2104 Personal Financial Planning - F, S
- ___ (3) AAEC 3314: Environmental Law - S
- ___ (3) AAEC 3004: Ag. Prod. Cons. Econ*- S
- ___ (3) AAEC 3604: Agricultural Law – F
- ___ (3) ALS 2204: Intro Civic Agriculture – F
- ___ (3) ALS 3404: Ecological Agriculture – F
- ___ (3) BIOL 2004: Genetics* – F, S
- ___ (1) CHEM 1045: General Chemistry Laboratory* – F, S
- ___ (1) CHEM 1046: General Chemistry Laboratory* - S, SI, SII
- ___ (3) CHEM 2535: Organic Chemistry* – F, S, SI
- ___ (3) CHEM 2536: Organic Chemistry* – F, S
- ___ (1) CHEM 2545: Organic Chemistry Laboratory* – F, S
- ___ (1) CHEM 2546: Organic Chemistry Laboratory* – S, SI
- ___ (3) CSES 2224: Foundations of Precision Agriculture
- ___ (3) CSES 2444: Agronomic Crops – F
- ___ (3) CSES 2564: Turfgrass Management – F
- ___ (3) CSES 4064: Soil Microbiology* - F
- ___ (3) CSES 4214: Soil Fertility and Management* – F
- ___ (3) ENT 2004: Insects and Human Society – F, S
- ___ (3) ENT/PPWS 4264: Pesticide Usage – S
- ___ (3) HORT 2144: Indoor Plants – F
- ___ (3) HORT 2164: Floral Design- F,S
- ___ (3) HORT/FREC 2134: Plants & Greenspaces Urban Com – F, W
- ___ (3) HORT 2184: Plants Places Culture Globally – S
- ___ (3) HORT 2834: Sustainable Ag Practicum – F, S
- ___ (3) HORT/FST 3114: Wines and Vines* – S
- ___ (3) HORT/FREC 3354: Trees in the Built Environment* – F
- ___ (2) HORT 3664: Hardscape Materials & Instal* - F
- ___ (2) HORT 4504: Landscape Contracting* – F
- ___ (4) HORT 4545: Res Landscape Design* – F
- ___ (4) HORT 4546: Res Landscape Design* – S
- ___ (3) HORT 4654: Viticulture* - S
- ___ (3) HORT 4764: Vegetable Crops* – F, S
- ___ (3) HORT 4784: Vegetable Seed Production – S
- ___ (3) HORT 4794: Medicinal Plants and Herbs – F
- ___ (1) HORT 4205: Public Garden Maint & Mgt * – F
- ___ (1) HORT 4206: Public Garden Maint & Mgt * – S

- ___ (3) SPES 2004: Cannabis Science, Industry & Culture-S
- ___ (3) SPES 2244: World Crops: Food and Culture-S

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:
 - Passing the following:
 - At least 24 credits that apply to the Pathways to General Education
 - 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, 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.