

**College of Agriculture and Life Sciences – School of Plant and Environmental Sciences
Bachelor of Science: Landscape Horticulture and Design (LCON)**

For students graduating in calendar year 2022 and for student date of entry under UG Catalog 2020-2021

Pathways to General Education (42-45 credits)

1. Discourse

- ___ (3, foundational) ENGL 1105: First-Year Writing – F, S, SI
- ___ (3, foundational) ENGL 1106: First-Year Writing – F, S, SI, SII
- ___ (3, advanced/applied) COMM 2004: Public Speaking – F, S, W, SI, SII

2. Critical Thinking in the Humanities

- ___ (3) _____ - F, S, W, SI, SII
- ___ (3) _____ - F, S, W, SI, SII

3. Reasoning in the Social Sciences

- ___ (3) AAEC 1005: Econ Food Fiber Sys *or* ECON 2005: Principles of Economics – F, S
- ___ (3) _____ - F, S, W, SI, SII

4. Reasoning in the Natural Sciences

- ___ (3) BIOL 1105: Principles of Biology – F, W, SI
- ___ (3) CHEM 1035: General Chemistry – F, S, SI, SII

5. Quantitative and Computational Thinking

- ___ (3, foundational) - MATH 1014: Precalc with Transcendental – F, S, SI, SII
- ___ (3, foundational) _____ - F, S, W, SI, SII
- ___ (3, advanced) _____ - F, S, W, SI, SII

6. Critique and Practice in Design and the Arts

- ___ (3, design) - HORT 2164: Floral Design - F, S, W, SI, SII
- ___ (3, arts) _____ - F, S, W, SI, SII

7. Critical Analysis of Identity and Equity in the United States

- (may be double-counted with another core concept)
- ___ (3) _____ - F, S, W, SI, SII

Business Requirement (9 credits minimum)

- ___ (3) *AAEC 2434: Foundations of Agribusiness – F, S
- ___ (3) *AAEC/MGT 3454: Small Bus Mgt and Ent - S

Select one of the following courses:

- ___ (3) *HORT 4614: Ornamental Plant Prod & Market - S
- ___ (3) AAEC 2XXX level or higher: _____

Common Degree Core Requirements (21 credits)

- ___ (1) ALS 1234: CALS First Year Seminar – F
- ___ (3) *CHEM 1036: General Chemistry – F, S, SI, SII
- ___ (3) CSES 3134: Soils in the Landscape – S *or* *CSES/ENSC 3114: Soils - F
- ___ (3) ENT 4254: Insect Pest Management – S
- ___ (3) *HORT/BIOL 2304: Plant Biology – F, S
- ___ (2) HORT 2224: Horticulture Science & Industr – F
- ___ (3) HORT 2234: Envir Factors in Hort – S
- ___ (3) HORT 2244: Plant Propagation – S

Major Specific Requirements (14 credits minimum)

- ___ (3) CSES 2564: Turfgrass Management – F
 - ___ (2) *HORT 4504: Landscape Contracting – F
 - ___ (4) *HORT 4545: Res Landscape Design – F
- Plant Materials - select two of the following courses:*
- ___ (3) *HORT 3325: Woody Landscape Plants - F
 - ___ (3) *HORT 3326: Woody Landscape Plants – S
 - ___ (2) *HORT 3345: Herbaceous Landscape Plants – F

Restricted Electives (minimum 22 credits)

From approved courses listed on reverse or any other HORT 2XXX or higher

- ___ () _____
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Free Electives (number needed to complete 120 credits)

- ___ () _____
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- ___ () _____
- ___ () _____
- ___ () _____

- ___ (3) *AAEC 3204: Intl Agri Dvlp & Trad - F
- ___ (3) AAEC 3314: Environmental Law
- ___ (3) AAEC 3604: Agricultural Law – F
- ___ (3) *AAEC 4204: Food and Agricultural Policy – F
- ___ (3) *AAEC 4404: Ag Mgmt & Prob Solv – S
- ___ (3) ALS 2204: Intro Civic Agriculture – F
- ___ (3) ALS 3404: Ecological Agriculture – F
- ___ (3) BIOL 1106: Principles of Biology - S
- ___ (1)___ (1) BIOL 1115, 1116: Principles of Biol Lab – F, S
- ___ (3) *BIOL 2004: Genetics – F, S
- ___ (3) *BIOL 3204: Plant Taxonomy – S
- ___ (3) *BSE 2484: Engines Power Train – 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 2444: Agronomic Crops – F
- ___ (3) CSES 2564: Turfgrass Management – F
- ___ (3) CSES/HORT 3444: World Crops & Systems – S
- ___ (3) *CSES 4214: Soil Fertility and Management – F

- ___ (2) ENT 2254: Bees and Beekeeping - S
- ___ (1) ENT 2264: Bees and Beekeeping Laboratory – S
- ___ (3) *ENT 4264: Pesticide Usage – S
- ___ (3) FREC 4454: Urb and Community Forestry – S
- ___ (2) FST 2014: Introduction to Food Science – F
- ___ (3) HORT 2144: Indoor Plants – F
- ___ (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
- ___ (3) *HORT 4064: Soil Microbiology - F
- ___ (1) HORT 4205: Pub Garden Maint & Mgt – F
- ___ (1) HORT 4206: Pub Garden Maint & Mgt – S
- ___ (3) MGT 3304: Mgt Th & Lead Pract – F, S
- ___ (3) SPAN 1105: Elementary Spanish – F, S
- ___ (3) SPAN 1106: Elementary Spanish – F, S

NOTE:

Total Hours Required: 120

*Some courses listed on the checksheet may have prerequisites; please consult the University Course Catalog or check with your advisor.

F (fall), S (spring), W (winter), SI (summer I), and SII (summer II) let students know the term the course is offered – when a course is offered is subject to change so always check the course catalog.

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 HORT will include:

1. At least 24 credits that apply to the Pathways of General Education
2. 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 or 3114, 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: 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.