

Horticulture — Fruit and Vegetable Production Track (HRTB)

Freshman

Fall	Hours	Spring	Hours
HORT 1010 Introduction to Horticulture	1	BIOL 1030 Organismal Biology	3
BIOL 1020 Principles of Biology	3	BIOL 1031 Organismal Biology Laboratory	1
BIOL 1021 Principles of Biology Laboratory	1	ENGL 1120 English Composition II	3
Core Mathematics ^{1,2}	3	Core History II or Core Social Science ³	3
ENGL 1100 English Composition I	3	COMM 1000 Public Speaking	3
Core History I ³	3	Core Fine Arts	3
	14		16

Sophomore

Fall	Hours	Spring	Hours
HORT 2010 Fruit and Nut Production	4	HORT 2030 Vegetable Production	3
Core Social Science	3	HORT 2240 Plant Propagation	3
Core Literature I ³	3	CSES 2040 Basic Soil Science	4
CHEM 1030 Fundamentals Chemistry I	3	ECON 2020 Principles of Microeconomics or 2030 Principles of Macroeconomics	3
CHEM 1031 Fundamental Chemistry I Laboratory	1	Elective	3
	14		16

Junior

Fall	Hours	Spring	Hours	Summer	Hours
HORT 3000 Growth and Development of Horticultural Plants	3	HORT 5120 Small Fruit and Pecan Culture⁴	4	HORT 5110 Tree Fruit Culture⁵	3
Group 1 or 2^{2,6}	3	Group 1 or 2^{2,6}	3		
HORT 2060 Hydroponics: Principles and Techniques of Soilless Plant Production	3	HORT 3950 Careers in Horticulture	2		
ENTM 4020 Economic Entomology or 3040 General Entomology	4	PLPA 3000 General Plant Pathology	4		
		Core Literature II or Core Humanities ³	3		
	13		16		3

Senior

Fall	Hours	Spring	Hours
Group 1 or 2^{2,6}	3	HORT 5130 Sustainable Vegetable Crop Production	3
Group 1 or 2⁶	4	HORT 5140 Post-Harvest Biology and Technology	3
HORT 4000 Pesticide Management in Horticulture	3	HORT 5910 Horticulture Practicum	4
Elective	3	Electives	5
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	13		15

Total Hours: 120

A minimum of 120 hours is required.

¹ Any core MATH course, except MATH 1100 may be chosen.

² Course may be 3 or 4 hours.

³ All students must complete at least one literature course and a history sequence OR a literature sequence and at least one history course for a total of 12 hours in Humanities and 12 hours in Social Sciences.

⁴ Even years only.

⁵ Odd years only.

⁶ **Group 1 (Business Emphasis):** FLSP 1010 Elementary Spanish I (4); HORT 2210 Landscape Gardening (4); ACCT 2810 Fundamentals of Accounting (3) or ACCT 2110 Principles of Financial Accounting (3); AGECE 3010 Agribusiness Marketing (3); CSES 3150 Turfgrass Management (4); MKTG 3310 Principles of Marketing (3); FINC 3610 Principles of Business Finance (3); HORT 3920 Horticulture Internship (1-4); AGECE 4000 Principles of Agribusiness Management (3); AGECE 4070 Agricultural Law (3); HORT 4250 Intermediate Fruit and Vegetable Production (3); RSOC 5410 Extension Programs and Methods (3); HORT 5150 Retail Garden Center Management (3); HORT 5230 Nursery Management (4); HORT 5240 Public Gardens Management (3).
Group 2 (Science Emphasis): PHYS 1500 General Physics (4); PHYS 1510 General Physics II (4); MATH 1610 Calculus I (4); MATH 1620 Calculus II (4); CHEM 2070 & CHEM 2071 Organic Chemistry I & Lab (4); CHEM 2080 & CHEM 2081 Organic Chemistry II & Lab (4); STAT 2510 Statistics for Biological and Health Sciences (3); STAT 2710 Statistical Computing (1); AGRI 3000 Agricultural Genetics (4); BIOL 3000 Genetics (3); CHEM 3050 & CHEM 3051 Analytical Chemistry & Lab (4); CSES 3120 Principles of Weed Science (4); HORT 4930 Directed Study (3); HORT 4970 Special Topics (3); AGRI 5010 Analysis of Plant, Soil, and Animal Data (3); POUL 5160 Principles of Food Safety (3); BCHE 5180 & BCHE 5181 Biochemistry I & Lab (4); BCHE 5190 & BCHE 5191 Biochemistry II & Lab (4).