

Horticulture

FRUIT AND VEGETABLE PRODUCTION OPTION (HFFV)

2018-2019

As a student in production horticulture, you will find many opportunities to support fruit and vegetable production, including cooperative extension, research with private companies and government agencies such as the USDA-ARS, and marketing.

FRESHMAN YEAR

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

SOPHOMORE YEAR

FALL		SPRING	
HORT 2010 Fruit and Nut Production	4	HORT 2030 Vegetable Production	3
Social Science Choice	3	HORT 2240 Plant Propagation	3
Core Literature I ³	3	CSES 2040 or 2043 Basic Soil Science	4
CHEM 1030 Fundamentals of Chemistry I	3	ECON 2020 Principles of Microeconomics <i>or</i>	3
CHEM 1031 Fundamentals of Chemistry I Lab	1	ECON 2030 Principles of Macroeconomics	
	14	Elective	3
			16

JUNIOR YEAR

FALL		SPRING	
HORT 3000 Growth and Development of Horticultural Plants Group 1 or 2²	3	HORT 5120 Small Fruit and Pecan Culture⁴ Group 1 or 2²	4
HORT 2060 Hydroponics: Principles and Techniques of Soilless Plant Production	3	PLPA 3000 General Plant Pathology	4
ENTM 4020 Economic Entomology or ENTM 3040 General Entomology	4	Core Literature II or Humanities Choice ²	3
Elective	3		
	16		14

SUMMER

HORT 5110 Tree Fruit Culture⁵ 3

SENIOR YEAR

FALL		SPRING	
Group 1 or 2²	3	HORT 5130 Sustainable Vegetable Crop Production	3
Group 1 or 2	4	HORT 5140 Postharvest Biology and Technology	3
Group 1 or 2	4	Electives	7
HORT 4000 Pesticide Management	3	UNIV 4AA0 University Graduation	0
	14		13

Total Hours Required: 120

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 (4); AGECE 4070 Agricultural Law (3); HORT 5150 Retail Garden Center Management³ (3); HORT 4250 Intermediate Fruit and Vegetable Production³ (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 & 2071 Organic Chemistry I & Lab (4); CHEM 2080 & 2081 Organic Chemistry II & Lab (4); STAT 2510 Statistics for Biological and Health Sciences (3); STAT 2710 Statistical Computing (1); BIOL 3000 Genetics (3); CHEM 3050 & 3051 Analytical Chemistry & Lab (4); CSES 3120 Principles of Weed Science (4); HORT 4930 Directed Study (3); HORT 4970 Special Topics (3); CSES 5010 Analysis of Plant, Soil, and Animal Data (3); CHEM 5180 & 5181 Biochemistry I & Lab (4); CHEM 5190 & 5191 Biochemistry II & Lab (4); HORT 5910 Horticulture Practicum (3).

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.

TRANSFER EQUIVALENCIES

FRUIT AND VEGETABLE PRODUCTION OPTION (HFFV)

ALABAMA COMMUNITY COLLEGE COURSES

CREDIT HOURS

AUBURN EQUIVALENT

BIO 103, Principles of Biology I	4	BIOL 1020/1021
BIO 104, Principles of Biology II	4	BIOL 1030/1031
CHM 111, College Chemistry I	4	CHEM 1030, 1031 Lab
ECO 232 Principles of Microeconomics	3	ECON 2020
ENG 101, English Composition I	3	ENGL 1100
ENG 102, English Composition II	3	ENGL 1120
Select One Fine Arts:		
ART 100, Art Appreciation		
ART 203 or 204, Art History I or II		
MUS 101, Music Appreciation		
THR 120, Theater Appreciation	3	Core Fine Arts
Select one:		
ANT 200, Introduction to Anthropology		
GEO 100, World Regional Geography		
PSY 200, Gen. Psychology		
SOC 200, Introduction to Sociology	3	Core Social Science
Select one sequence:		
HIS 101 & 102, Western Civilization I & II		
HIS 121 & HIS, 122 World History I & II		
HIS 201 & 202, U. S. History I & II	6	Core History*
Select one:		
ENG 251, American Literature I or II		
ENG 261, English Literature I or II		
ENG 271, World Literature I or II	3	Core Literature*
MTH 112, Precalculus Algebra	3	MATH 1120
PHL 206, Ethics & Society or IDS 102, Ethics	3	Core Humanities
SPH 106, Fundamentals of Oral Communication or SPH 107, Fundamentals of Public Speaking	3	COMM 1000
Group 1 or 2 **		
BUS 241 Principles of Accounting I	3	ACCT 2110
SPA 101, Introductory Spanish I	4	FLSP 1010
CHM 112 College Chemistry II	4	CHEM 1040, 1041 Lab
MTH 125 Calculus I, MTH 126 Calculus II	4, 4	MATH 1610, MATH 1620
PHY 201 Physics I, PHY 202 Physics II	4, 4	PHYS 1500+Lab, PHYS 1510+Lab
CHM 221 Organic Chemistry I,	4	CHEM 2070+Lab
CHM 222 Organic Chemistry II	4	CHEM 2080+Lab
General Electives to total 60 hours	5	Free electives

*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.

**Group 1 or 2 equivalent courses are not part of the Core Curriculum at Auburn University