



All students must complete two Global Issues courses (▲). All students must take a Social Diversity requirement in the GE by completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 (0.5 cr hr)	HCS 1100 (0.5 cr hr)	.5, .5
Writing Level 1 (English 1110)		3
Writing Level 2 (2367) see approved CFAES GE List		3
Agr Comm 3130 or Comm 2110		3
Math 1130, 1148, 1150, 1151, or 1156		4 or 5
Data Analysis (HCS 2260 recommended)		3
Physical Science Chem 1110, 1210, or 1220		5
Biological Science (Bio 1113 req'd)		4
Add'l. Sci. (HCS 2201 Ecol of Mng'd Plt Sys. req'd)		4
Opt. 1 (HCS 2202 Frm & Fxn Cult Plt req'd)		4
Social Science 1 (Rural Soc 1500 or Sociol 1101)		3
Social Science 2 (AED Econ 2001 or Econ 2001)		3

Historical Study (see approved CFAES GE List)	3
Culture & Ideas or Historical Study (see approved CFAES GE List)	3
Literature (see approved CFAES GE List)	3
Art (see approved CFAES GE List)	3
Contemporary Issues (see approved CFAES GE List)	3
Internship (FAES 3191 and HCS 4191.01)	0, 2
Total GE Credit Hours	57 or 58
SPS-Horticulture Specialization	42-43
SPS-Minor Equivalent	15-18
Free Electives	2-7
Total Credit Hours	121

HORTICULTURE SPECIALIZATION 42-43

Required Courses - Horticulture Specialization 28

HCS 3200	Introduction to Horticulture	3
HCS 3220	Crop Origins and Diversity	2
HCS 3310	Crop Responses to the Environment	3
HCS 3320	Plant Propagation	3
HCS 5200	Advanced Horticultural Systems (Capstone)	3
HCS 5422	Biology & Mgmt. of Weeds and Invasive Plants	3
ENR 3000	Soil Science	3
ENTMLGY 4600	Intro to Insect Science	1
ENTMLGY 4601	General Insect Pest Management	2
or ENTMLGY 4000	General Entomology	3
or ENTMLGY 5608	Turfgrass Insect Pest Management	2
or ENTMLGY 5609	Landscape Ornamental Pest Mgmt	3
or ENTMLGY 5610	Greenhouse Pest Management	3
PLNTPTH 3001	General Plant Pathology	3
PLNTPTH 3002	General Plant Pathology Lab	2

Elective Courses - Horticulture Specialization 14-15

HCS 2300	Introduction to Hydroponics	1
HCS 2305	Organic Gardening	1
HCS 2306	Sustain. Vegetable Prod. Practicum	3
HCS 2307	Sustainable Ag. Practical Experience	2
HCS 2340.01	Woody Ornamental Plants	3
HCS 2340.02	Herbaceous Ornamental Plants	3
HCS 3380	Latino Workforce in Land Based Indust.	2
HCS 3410	Sustainable Landscape Maint. Practices	2
HCS 3420	Seed Science	3
HCS 3470	Introduction to Turfgrass Management	3
HCS 3488.01	Profess. Devel. in Hort and Crop Science ¹	3
HCS 3521	Greenhouse Systems and Management	2
HCS 4193	Individual Studies	1-3
HCS 4325	Plant Genetics	3
HCS 4300	Hydroponic Crop Production	2
HCS 4301	Hydroponics Crop Production Lab	1
HCS 4560	Creating a Virtual Perspective	3
HCS 4998	Undergraduate Research ¹	1-6
HCS 4999	Research with Distinction ¹	1-6
HCS 4999H	Honors Research with Distinction ¹	1-6
HCS 5097.03-.04	Study Abroad Pre-Depart Course	1
HCS 5797.03-.04	Study Abroad	3
HCS 5306	Sustain. Vegetable Prod. Practicum	3
HCS 5450	Veg. Crop Production and Physiology	3
HCS 5460	Fruit Crop Physiology and Production	3
HCS 5601	Digital Portfolio Development	1
HCS 5621	Physiology of Cultivated Plants	3
HCS 5622	Biochemical Proc. in Cultivated Plants ³	3

MINOR EQUIVALENT 15-18

Take 15 to 18 credits in either one of the groups below.

Group A – Production and Management

AEDECON 3101	Principles of Agribusiness Management	3
AEDECON 3102	Principles of Agribusiness Marketing	3
AEDECON 3160	Human Resource Mgmt in Small Business	3
AGSYSMT 2240	Basic Metal Fabrication for Agriculture	3
AGSYSMT 2580	Introduction to Digital Agriculture	2
AGSYSMT 3232	Engines and Power Transmission	3
AGSYSMT 3580	UAS and Remote Sensing in Agriculture	3
BUSMHR 2210	Personal Leadership & Team Effectiveness	3
BUSML 3150	Foundations of Marketing	3
CONSCI 2910	Consumer Problems and Perspectives	3
CONSCI 3910	Consumer Service and Satisfaction	3
CONSYSM 2205	Intro to Construction Systems Mgmt	3
CONSYSM 2241	Construction Materials and Methods 2	3
CONSYSM 2440	Construction Surveying and Site Develop.	4
ENR 3001	Soil Science Laboratory	1
ENR 3700	Intro to Spatial Info for ENR	3
ENR 5272	Turfgrass Soils	3
ENR 5279	Urban Soils and Ecosystem Services	3
ENTMLGY 5500	Biological Control	3
ENTMLGY 5600	Integrated Pest Management	3
ENTMLGY 5800	Pesticide Science	3
PLNTPTH 5110	Ecol. and Mgmt. of Pathogens and Insects Affecting Trees in Forest and Urban Environments	3
PLNTPTH 5120	Diseases of Ornamental Plants	3
PLNTPTH 5150	Fruit and Vegetable Diseases	2
PLNTPTH 5603	Plant Disease Management	3

Group B –Research

CHEM 2310	Introductory Organic Chemistry ²	4
BIOCHEM 4511	Introduction to Biological Chemistry	4
EEOB 3310.01 or 3310.02	Evolution	4
EEOB 3410	Ecology	4
ENR 5268	Soils and Climate Change	2
GEOG 5900	Weather, Climate, & Global Warming	3

¹Students may take up to 12 credits of any combination of 4193, 4998, 4999, or 4999H, but only up to 6 credits can count towards the major electives

²CHEM 2310 prerequisites: 1110, 1220 (122), 1250 (125), 1620, or 1920H. Not open to students with credit for 2510 (251), 2610, or 2910H.

³Prerequisites include CHEM 2310 or 2510