



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.

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

<b>Historical Study</b> (see approved CFAES GE List)	<b>3</b>
<b>Culture &amp; Ideas or Historical Study</b> (see approved CFAES GE List)	<b>3</b>
<b>Literature</b> (see approved CFAES GE List)	<b>3</b>
<b>Art</b> (see approved CFAES GE List)	<b>3</b>
<b>Contemporary Issues</b> (see approved CFAES GE List)	<b>3</b>
<b>Internship (HCS 4191.01)</b>	<b>2</b>
<b>Total GE Credit Hours</b>	<b>57 or 58</b>
<b>SPS-Horticulture Specialization</b>	<b>42-43</b>
<b>SPS-Minor Equivalent</b>	<b>15-18</b>
<b>Free Electives</b>	<b>2-7</b>
<b>Total Credit Hours</b>	<b>121</b>

**HORTICULTURE SPECIALIZATION 42-43**

**Required Courses - Horticulture Specialization 29**

HCS 3200	Horticultural Science	3
HCS 3310	Crop Responses to the Environment	3
HCS 3320	Plant Propagation	3
HCS 3420	Seed Science	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 5608	Turfgrass Insect Pest Management	2
or ENTMLGY 5609	Landscape Ornamental Pest Mgmt.	2
or ENTMLGY 5610	Greenhouse Pest Management	2
PLNTPTH 3001	General Plant Pathology	3
PLNTPTH 3002	General Plant Pathology Lab	2

**Elective Courses - Horticulture Specialization 13-14**

HCS 2305	Organic Gardening	1
HCS 2306	Sustain. Vegetable Prod. Practicum	3
HCS 2340.01	Woody Ornamental Plants	3
HCS 2340.02	Herbaceous Ornamental Plants	3
HCS 2401	Sustainable Landscape Design	3
HCS 3220	Crop Origins and Diversity	2
HCS 3380	Latino Workforce in Land Based Industry	2
HCS 3410	Sustainable Landscape Maint. Practices	2
HCS 3438	Theme and Specialty Gardens	2
HCS 3470	Principles of Turfgrass Management	3
HCS 3488.01	Profess. Devel. in Hort and Crop Science	1-3
HCS 3521	Basic Greenhouse Production	2
HCS 3522	Sustainable Irrigation	2
HCS 4193	Individual Studies	1-3
HCS 4325	Plant Genetics	3
HCS 4560	Creating a Virtual Perspective	3
HCS 4999	Research with Distinction	1-3
HCS 4999H	Honors Research with Distinction	1-3
HCS 5097.03-.04	Study Abroad Pre-Depart Course	1
HCS 5797.03-.04	Study Abroad	3
HCS 5193	Independent Study	1-3
HCS 5306	Sustain. Vegetable Prod. Practicum	3
HCS 5450	Veg. Crop Production and Physiology	3
HCS 5460	Fruit Crop Physiology and Production	3
HCS 5521	Advanced Greenhouse Production	3
HCS 5601	Digital Portfolio Development	1
HCS 5621	Physiol. of Cultivated Plants	3
HCS 5622	Biochem. Proc. in Cultivated Plants	3
HCS 5730	Seed Ecology and Physiology	2
HCS 5798	Agroecology Field Studies	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	2
AGSYSMT 2240	Basic Metal Fabrication for Agriculture	3
AGSYSMT 3232	Engines and Power Transmission	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
CONSYSTM 2205	Intro to Construction Systems Mgmt	3
CONSYSTM 2241	Construction Materials and Methods 2	3
CONSYSTM 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	3
	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 <sup>1</sup>	4
BIOCHEM 4511	Introduction to Biological Chemistry	4
EEOB 3310	Evolution	4
EEOB 3410	Ecology	4
ENR 5268	Soils and Climate Change	2
GEOG 5900	Weather, Climate, & Global Warming	3

<sup>1</sup> CHEM 2310 prerequisites: 1110, 1220 (122), 1250 (125), 1620, or 1920H. Not open to students with credit for 2510 (251), 2610, or 2910H