



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 and Dept. Seminar</b>	<b>.5, .5</b>	<b>Social Science 2 (AED Econ 2001 or Econ 2001)</b>	<b>3</b>
<b>Writing Level 1 (English 1110)</b>	<b>3</b>	<b>Historical Study</b> (see approved CFAES GE List)	<b>3</b>
<b>Writing Level 2 (2367)</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>Agr Comm 3130 or Comm 2110</b>	<b>3</b>	<b>Literature</b> (see approved CFAES GE List)	<b>3</b>
<b>Math 1130, 1148, 1151, or 1156</b>	<b>4 or 5</b>	<b>Art</b> (see approved CFAES GE List)	<b>3</b>
<b>Data Analysis (HCS 2260 recommended)</b>	<b>3</b>	<b>Contemporary Issues</b> (see approved CFAES GE List)	<b>3</b>
<b>Biological Science (Bio 1113 req'd)</b>	<b>4</b>	<b>Internship (HCS 4191.01)</b>	<b>2</b>
<b>Physical Science Chem 1110, 1210, or 1220</b>	<b>5</b>	<b>TOTAL GE Credit Hours</b>	<b>57 or 58</b>
<b>Add'l. Sci. (HCS 2201 Ecol of Mng'd Plt Sys. req'd)</b>	<b>4</b>	<b>SPS – Agroecology Specialization</b>	<b>42-43</b>
<b>Opt. 1 (HCS 2202 Frm &amp; Fxn Cult Plt req'd)</b>	<b>4</b>	<b>SPS – Minor Equivalent</b>	<b>15-18</b>
<b>Social Science 1 (Rural Soc 1500 or Sociol 1101)</b>	<b>3</b>	<b>Electives</b>	<b>2-7</b>
		<b>TOTAL</b>	<b>121</b>

**AGROECOLOGY SPECIALIZATION 42-43**

**Required Courses – Agroecology Specialization 35**

HCS 3100	Introduction to Agronomy	3
or HCS 3200	Horticultural Science	3
HCS 3310	Crop Responses to the Environment	3
HCS 3320	Plant Propagation	3
or HCS 3420	Seed Science	3
HCS 3220	Crop Origins and Diversity	2
HCS 4325	Plant Genetics	3
HCS 5422	Biol. & Mgmt. of Weeds and Inv. Plants	3
HCS 5411	Domestic. & Util. Agron. Crops	3
or HCS 5412	Agroecol. of Grasslands and Prairies	3
or HCS 5450	Vegetable Crop Production & Physiology	3
or HCS 5460	Fruit Crop Physiology & Production	3
HCS 5602	Ecology of Agriculture (Capstone)	3
or HCS 5100	Advanced Cropping Systems (Capstone)	3
or HCS 5200	Advanced Horticultural Systems (Capstone)	3
EEOB 3310.01	Evolution	4
or 3310.02		
EEOB 3410	Ecology	4
ENR 3000	Soil Science	3
ENR 3001	Soil Science Laboratory	1

**Elective Courses – Agroecology Specialization 7-8**

HCS 3380	Latino Workforce in Land Based Industry	2
HCS 3488.01	Profess. Devel. in Hort and Crop Science	1-3
HCS 3521	Basic Greenhouse Production	2
HCS 3522	Sustainable Irrigation	3
HCS 4193	Individual Studies	1-3
HCS 4560	Creating a Virtual Perspective	3
HCS 4999	Research with Distinction	1-3
HCS 4999H	Honors Research with Distinction	1-3
HCS 5097.01-.04	Study Abroad Pre-Departure Course	1
HCS 5797.01-.04	Study Abroad	3
HCS 5798	Agroecology Field Studies	3
HCS 5193	Independent Study	1-3
HCS 5306	Sustainable Veg Prod Practicum	3
HCS 5521	Advanced Greenhouse Production	3
HCS 5601	Digital Portfolio Development	1
HCS 5621	Physiology of Cultivated Plants	3
HCS 5730	Seed Ecology and Physiology	2
HCS 5887	Intro to Experimental Design	3

If not already taken: HCS 3100, 3200, 3320, 3420, 5100, 5200, 5602, 5411, 5412, 5460, 5450.

\* Prerequisites include ENR 2100 & ENR 2300 or permission of instructor  
\*\* Prerequisites include ENR 3000 and ENR 3500

**MINOR EQUIVALENT 15-18**

**Soil Ecology and Management 5-9**

ENR 3285	Watershed Hydrology	3
ENR 3700	Intro to Spatial Infor. for ENR	3
ENR 4260	Soil Resources Management	3
ENR 5260	Soil Landscapes: Morphology, Genesis & Classification	3
ENR 5263	Biology of Soil Ecosystems	3
ENR 5268	Soils and Climate Change	2
ENR 5270	Soil Fertility	3
ENR 5279	Urban Soils and Ecosystem Services	3

**Biotic Interactions in Agroecosystems 5-9**

ANIMSCI 3400	Mgmt. Intensive Grazing	2
ENTMLGY 2200	Beekeeping	3
ENTMLGY 4600	Introduction to Insect Science	1
ENTMLGY 4601	General Insect Pest Management	2
ENTMLGY 4602	Urban Landscape and Greenhouse Entom.	2
ENTMLGY 5420	Insect Behavior	3
ENTMLGY 5500	Biological Control	3
ENTMLGY 5600	Integrated Pest Management	3
PLNTPH 3001	General Plant Pathology	3
PLNTPH 3002	General Plant Pathology Lab	2
PLNTPH 5110	Ecol. and Mgmt. of Pathogens and Insects Affecting Trees in Forest and Urban Environ.	3
PLNTPH 5140	Diseases of Field Crops	3
PLNTPH 5150	Fruit and Vegetable Diseases	3
PLNTPH 5603	Plant Disease Mgmt.	3

Students may take the remaining credit hours from the courses listed below

**Population and Community Ecology**

EEOB 4410	Conservation Biology	3
EEOB 4430	Ecol. Methods I	1-2
EEOB 5450	Population Ecology	3
EEOB 5470	Community & Ecosystems Ecol.	3
ENR 4320	Sustainable Forest Products*	3
ENR 5274	Ecosystem Simulation	3

**Human Ecology and Global Perspectives**

AEDE 4532	Food Security and Globalization	3
ANIMSCI 3600	Global Food and Agriculture	3
EEOB 4240	Ecology and Evol. of Plants and People	3
or ANTHRO 5614	Ethnobotany	3
ENR 3600	Sustainable Agriculture & Food Systems**	3
GEOG 3900	Global Climate Change	3
GEOG 5900	Weather, Climate, & Global Warming	3
or ATMOSCC 2940	Basic Meteorology	3