



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 and Dept. Seminar	.5, .5	Social Science 2 (AED Econ 2001 or Econ 2001)	3
Writing Level 1 (English 1110)	3	Historical Study (see approved CFAES GE List)	3
Writing Level 2 (2367) see approved CFAES GE List	3	Culture & Ideas or Historical Study (see approved CFAES GE List)	3
Agr Comm 3130 or Comm 2110	3	Literature (see approved CFAES GE List)	3
Math 1130, 1148, 1151, or 1156	4 or 5	Art (see approved CFAES GE List)	3
Data Analysis (HCS 2260 recommended)	3	Contemporary Issues (see approved CFAES GE List)	3
Biological Science (Bio 1113 req'd)	4	Internship (HCS 4191.01)	2
Physical Science Chem 1110, 1210, or 1220	5	TOTAL GE Credit Hours	57 or 58
Add'l. Sci. (BIO 1114 Form, Function, Diversity, and Ecology req'd)	4	4 SPS – Agroecology Specialization	42-43
Opt. 1 (HCS 2201 Ecology of Managed Plant Systems req'd)	4	SPS – Minor Equivalent	15-18
Social Science 1 (Rural Soc 1500 or Sociol 1101)	3	Electives	2-7
		TOTAL	121

AGROECOLOGY SPECIALIZATION 42-43

Required Courses – Agroecology Specialization 36

HCS 2202	Form and Function in Cultivated Plants	4
HCS 3100	Introduction to Agronomy	3
or 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
or HCS 3420	Seed Science	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 EEOB 3310.02	Evolution	4
EEOB 3410	Ecology	4
ENR 3000	Soil Science	3
ENR 3001	Soil Science Laboratory	1

Elective Courses – Agroecology Specialization 6-7

HCS 3380	Latino Workforce in Land Based Industry	2
HCS 3488.01	Profess. Devel. in Hort and Crop Science	1-3
HCS 3521	Greenhouse Systems and Management	2
HCS 3522	Sustainable Irrigation	3
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 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 5193	Independent Study	1-3
HCS 5306	Sustainable Veg Prod Practicum	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

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 5420	Insect Behavior	3
ENTMLGY 5500	Biological Control	3
ENTMLGY 5600	Integrated Pest Management	3
PLNTPTH 3001	General Plant Pathology	3
PLNTPTH 3002	General Plant Pathology Lab	2
PLNTPTH 5110	Ecol. and Mgmt. of Pathogens and Insects Affecting Trees in Forest and Urban Enviro.	3
PLNTPTH 5140	Diseases of Field Crops	3
PLNTPTH 5150	Fruit and Vegetable Diseases	3
PLNTPTH 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

* Prerequisites include ENR 2100 & ENR 2300 or permission of instructor

** Prerequisites include ENR 3000 and ENR 3500