



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 – Agronomy 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 Credit Hours</b>	<b>121</b>

**AGRONOMY SPECIALIZATION 42-43**

**Required Courses – Agronomy Specialization 36**

HCS 3100	Introduction to Agronomy	3
HCS 3310	Crop Responses to the Environment	3
HCS 3420	Seed Science	3
HCS 4325	Plant Genetics	3
HCS 5100	Advanced Cropping Systems (Capstone)	3
HCS 5411	Domestic.& Util. Agron. Crops	3
HCS 5412	Agroecol. of Grasslands and Prairies	3
HCS 5422	Biology & Mgmt. of Weeds and Invasive Plants	3
ENR 3000	Soil Science	3
ENR 3001	Soil Science Laboratory	1
ENTMLGY 4600	Intro to Insect Science	1
ENTMLGY 4601	General Insect Pest Management	2
PLNTPH 3001	General Plant Pathology	3
PLNTPH 3002	General Plant Pathology Lab	2

**Elective Courses – Agronomy Specialization 6-7**

HCS 3220	Crop Origins and Diversity	2
HCS 3488.01	Profess. Devel. in Hort and Crop Science	1-3
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 5193	Independent Study	1-3
HCS 5601	Digital Portfolio Development	1
HCS 5602	Ecology of Agriculture (Capstone)	3
HCS 5621	Physiology of Cultivated Plants	3
HCS 5622	Biochemical Processes in Cultivated Plants	3
HCS 5730	Seed Ecology and Physiology	2
HCS 5798	Agroecology Field Studies	3
HCS 5887	Introduction to Experimental Design	3

**MINOR EQUIVALENT 15-18**

Students must take the following two courses (5-6 credits), as well as 10 to 13 credits from one of the groups below.

**Required Courses 5-6**

AGSYSMT 4580	Precision Agriculture	2
or ENR 3700	Intro to Spatial Info for ENR	3
ENR 5270	Soil Fertility	3

**Group A – Farm Production and Management 10-13**

AEDECON 2105	Managerial Records and Analysis	3
AEDECON 3101	Principles of Agribusiness Management	3
AEDECON 3104	Farm Business Management	3
AEDECON 3113	Commodity Futures and Option Markets	2
AEDECON 3123	Grain Merchandising	2
AEDECON 3170	Agribusiness Law	3
AGSYSMT 2370	Environmental Hydrology	2
AGSYSMT 3232	Engines and Power Transmission	3
or AGSYSMT 3360	Agricultural Machinery Management	3
ANIMSCI 2200.01	Intro to Animal Sciences	3
ANIMSCI 2200.02	Intro to Animal Sciences Lab	1
ENR 3280	Water Quality Management	2
ENR 4260	Soil Resource Management	3
ENTMLGY 5600	Integrated Pest Management	3
ENTMLGY 5800	Pesticide Science	3
PLNTPH 5140	Diseases of Field Crops	2
PLNTPH 5603	Plant Disease Management	3

**Group B – Consulting and Industry 10-13**

AEDECON 3101	Principles of Agribusiness Management	3
AEDECON 3102	Principles of Agribusiness Marketing	3
or BUSML 3150	Foundations of Marketing	3
AEDECON 3160	Human Resource Mgmt in Small Business	2
or BUS-MHR 3100	Foundations of Management and HR	3
AGSYSMT 2371	Land Surveying for Agric. & Environ. Sys.	1
AGSYSMT 4300	Engineering Applications in Ag.	4
AEDECON 3121	Salesmanship in Agribusiness	2
BUS-MHR 2000	Introduction to International Business	1.5
ENR 4260	Soil Resource Management	3
ENTMLGY 5600	Integrated Pest Management	3
ENTMLGY 5800	Pesticide Science	3
PLNTPH 5140	Diseases of Field Crops	2
PLNTPH 5603	Plant Disease Management	3

**Group C – Research 10-13**

CHEM 2310	Introductory Organic Chemistry <sup>1</sup>	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

<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