



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) and 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-Turfgrass Science Specialization	42-43
SPS-Minor Equivalent	15-18
Electives	2-7
Total Credit Hours	121

TURFGRASS SPECIALIZATION 42-43

Required Courses – Turfgrass Specialization 35

HCS 2270	Hist. Perspectives on Golf Course	2
HCS 3310	Crop Responses to the Environment	3
HCS 3370	Sports Turf Management	2
HCS 3420	Seed Science	3
HCS 3470	Introduction to Turfgrass Management	3
HCS 4504	Advanced Golf Operations (Capstone)	3
HCS 4570	Turfgrass Management and Science	3
HCS 5422	Biology & Mgmt. of Weeds and Invasive Plants	3
HCS 5670	Golf Courses and the Environment	2
ENR 3000	Soil Science	3
ENTMLGY 4600	Intro to Insect Science	1
ENTMLGY 5608	Turfgrass Insect Pest Management	2
PLNTPH 3001	General Plant Pathology	3
PLNTPH 3002	General Plant Pathology Lab	2

Electives Courses – Turfgrass Specialization 7-8

HCS 2340.01	Woody Ornamental Plants	3
HCS 2340.02	Herbaceous Ornamental Plants	3
HCS 2501	Basic Club Design and Repair	1
HCS 3220	Crop Origins and Diversity	2
HCS 3320	Plant Propagation	3
HCS 3380	Latino Workforce in Land Based Industries	2
HCS 3488.01	Profess. Devel. in Hort and Crop Science	1-3
HCS 4193	Individual Studies	1-3
HCS 4325	Plant Genetics	3
HCS 4560	Creating a Virtual Perspective	3
HCS 4998	Undergraduate Research ¹	1-12
HCS 4999	Research with Distinction ¹	1-12
HCS 4999H	Honors Research with Distinction ¹	1-12
HCS 5097.01-.04	Study Abroad Pre-Depart Course	1
HCS 5797.01-.04	Study Abroad	3
HCS 5601	Digital Portfolio Development	1
HCS 5602	Ecology of Agriculture (Capstone)	3
HCS 5621	Physiology of Cultivated Plants	3
HCS 5622	Biochemical Proc. in Cultivated Plants ²	3

MINOR EQUIVALENT 15-18

Students must take the following two courses (6 credits), as well as 9 to 12 credits from one of the groups below.

Recommended Courses 6

ENR 5272	Turfgrass Soils	2
PLNTPH 5130	Turfgrass Diseases/ITHM	4

Group A – Management 9-12

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 3232	Engines and Power Transmission	3
AGSYSMT 3580	UAS and Remote Sensing in Agriculture	3
AGSYSMT 4580	Precision 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
ENR 3001	Soil Science Laboratory	1
ENR 5279	Urban Soils and Ecosystem Services	3
ENTMLGY 5500	Biological Control	3
ENTMLGY 5600	Integrated Pest Management	3
ENTMLGY 5800	Pesticide Science	3
PLNTPH 5603	Plant Disease Management	3

Group B – Research 9-12

CHEM 2310	Introductory Organic Chemistry ³	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

¹ Students 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

²Pre-requisite of CHEM 2310 or 2510.

³CHEM 2310 prerequisites: 1110, 1220 (122), 1250 (125), 1620, or 1920H. Not open to students with credit for 2510 (251), 2610, or 2910H