All students must complete two Global Issues courses in the GE (▲). This requirement is the successor to the diamond/asterisk requirement. All students must complete a Social Diversity requirement in the GE, which can be done by completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and PLNTPTH 1100/ENTMLGY 1100 5, .5  
Writing Level 1 (ENGLISH 1110) 3  
Writing Level 2 (See Approved CFAES GE List) 3  
AGRCOMM 3130 or COMM 2110 3  
MATH 1148 or 1150 4  
Data Analysis (Choose 3537, AEDE 3095, Agrc 2200, HCS 2200, ENR 2000, Stat 1145) 3  
BIOLOGY 1101, 1113, ENTMLGY 1101, HCS 2201, or MOLGEN 1101 5  
CHEM 1210 or 1910H 5  
CHEM 1220 or 1920H 4  
BIOLOGY 1114, ENTMLGY 2101, HCS 2202, or MOLGEN 3300 3–5

Major Requirements (25-29 credit hours) (24-26 credit hours if student has taken ENTMLGY 1101):

- ENR 3000 & 3001 Soil Science Lecture & Laboratory 4  
- *HCS 2201; Ecology of Managed Plant Systems OR HCS 2202: Form and Functions of Cultivated Plants 4  
- HCS 5422 Principles of Weed Ecology and Management 3  
- MOLGEN 3436 Introductory Plant Physiology 3  
- PLNTPTH 6004 Plant Disease Management 3  
- PLNTPTH/ENTMLGY 5604 Capstone Course: Problem-Based Studies in Plant Health 2

Select one of the following core plant pathology courses (required):

- PLNTPTH 3001 & 3002 General Plant Pathology Lecture & Laboratory 5  
- PLNTPTH 6001 Advanced Plant Pathology 3

Select one of the following core entomology course:

- (Required only if student did not take ENTMLGY 1101 as BSO SCI requirement)
  - ENTMLGY 3000 General Entomology 3  
  - ENTMLGY 4600 Introduction to Insect Science 1

Select one of the following entomology support courses (required):

- ENTMLGY 4601 General Insect Pest Management 2  
- ENTMLGY 4602 Urban Landscape and Greenhouse Entomology 2  
- ENTMLGY 4603 Agricultural Entomology 2

*If student took one of these classes as a GE course, these 3 credit hours must be made up in the major electives.

Electives (enough to bring total in major to 36 hours realizing if student took HCS 2201 or ENTMLGY 1101 as GE, these hours will not count in the major):

- BIOCHEM 2210 Elements of Biochemistry 4  
- BIOCHEM 4511 Introduction to Biological Chemistry 4  
- CHEM 2310 Introductory Organic Chemistry 4  
- CHEM 2510 Organic Chemistry I 4  
- CHEM 2520 Organic Chemistry II 4  
- EEOB 3310 Evolution 4  
- EEOB 3410 Ecology 4  
- ENR 5270 Soil Fertility 3  
- ENR 5272 Urban and Sports Turf Soils 3  
- ENTMLGY 3330/440H Social Insects 3  
- ENTMLGY 4600 Urban Entomology 2  
- ENTMLGY 4606 Introduction to Forensic Entomology 2  
- ENTMLGY 4607 Veterinary Entomology 2  
- ENTMLGY 5130 Field Insect Taxonomy 3  
- ENTMLGY 5420 Insect Behavior Mechanisms and Function 3  
- ENTMLGY 5500 Biological Control of Arthropod Pests 3  
- ENTMLGY 5600 Principles and Applications of IPM 3  
- ENTMLGY 5800 Pesticide Science 3  
- ENTMLGY 6310 Insect Physiology and Molecular Biology 3  
- ENTMLGY 6410 Insect Ecology and Evolutionary Processes 3  
- HCS 4325 Plant Genetics 3

Total 36