All students must complete two Global Issues courses in the GE (▲). 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 (Comldr 3537, AEDE 2205, ARSOL 2206, HCS 2200, ENR 2000, Stat 1450)  3
BIOLGY 1110, 1113, ENTMLGY 1101, HCS 2201, or MOLGEN 1101  5
CHEM 1120 or 1920H  5
CHEM 1220 or 1920H  4
BIOLGY 1114, ENTMLGY 2101, HCS 2202, or MOLGEN 3300  3–5

Social Science 1 (RURLSOC 1500 or SOCIOI 1101)  3
Social Science 2 (AEDECON 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

Major

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 5603 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 BIO 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)

ENR 5272 Turfgrass Soils  2
ENTMLGY 3330/4440H Social Insects  3
ENTMLGY 4604 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

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  3
ENR 5270 Soil Fertility  3
MICROBIO 4000 Basic and Practical Microbiology  4
MICROBIO 4100 General Microbiology  5
MICROBIO 4130 Microbial Genetics  3
MOLGEN 4500 General Genetics  3
PLNTPTH 2000 Molds, Mushrooms, and Mankind  3
PLNTPTH 5010 Phytophactoriology  2
PLNTPTH 5020 Introductory Plant Virology  2
PLNTPTH 5030 Nematology  2
PLNTPTH 5040/5041 Science of Fungi: Mycology Lecture and Lab  4
PLNTPTH 5110/ENTMLGY 5110 Ecology and Mgmt of Pathogens and Insects Affecting Trees in Forest and Urban Environments  3
PLNTPTH 5120 Diseases of Ornamentals  2
PLNTPTH 5130 Turf Diseases & Integrated Turf Health Management  2
PLNTPTH 5140 Diseases of Field Crops  2
PLNTPTH 5150 Fruit and Vegetable Diseases  2
PLNTPTH 5685 Plant Disease Diagnosis  2
PLNTPTH 5685 Plant Disease Diagnosis  2

Total 36