

All students must complete two Global Issues courses in the GE (▲). All students must complete a Social Diversity requirement in the GE, which is met by completing Rural Sociology 1500 or Sociology 1101.

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| FAES 1100 and PLNTPTH 1100/ENTMLGY 1100 | .5, .5 | Social Science 1 (RURLSOC 1500 or SOCIOL 1101) | 3 |
| Writing Level 1 (ENGLISH 1110) | 3 | Social Science 2 (AEDECON 2001 or ECON 2001) | 3 |
| Writing Level 2 (See Approved CFAES GE List) | 3 | Historical Study (See Approved CFAES GE List) | 3 |
| AGRCOMM 3130 or COMM 2110 | 3 | Culture & Ideas or Historical Study (See Approved CFAES GE List) | 3 |
| MATH 1148 or 1150 | 4-5 | Literature (See Approved CFAES GE List) | 3 |
| Data Analysis (AEDECON 2005, ANSCI 2260, HCS 2260, ENR 2000, STAT 1490) | 3 | Art (See Approved CFAES GE List) | 3 |
| BIOLOGY 1101, 1113, ENTMLGY 1101, HCS 2201, or MOLGEN 1101 | 4-5 | Contemporary Issues (See Approved CFAES GE List) | 3 |
| CHEM 1210 or 1910H | 5 | Major | 36 |
| CHEM 1220 or 1920H | 5 | Minor (cannot select a minor in Entomology or Plant Pathology) | 12-15 |
| BIOLOGY 1114, ENTMLGY 2101, HCS 2202, or MOLGEN 3300 | 3-5 | Internship/Experiential Learning: PLNTPTH 4191 OR ENTMLGY 4191 | 2 |
| | | Electives | 9-16 |
| | | TOTAL CREDIT HOURS | 121 |

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

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|--|--|---|
| 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):

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

Select one of the following core entomology course:

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|--|--------------------------------|---|
| <i>(Required only if student did not take ENTMLGY 1101 as BIO SCI requirement)</i> | | |
| ENTMLGY 4000 | 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 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)

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| BIOCHEM 2210 | Elements of Biochemistry | 4 | HCS 5450 | Vegetable Crop Production and Physiology | 3 |
| BIOCHEM 4511 | Introduction to Biological Chemistry | 4 | HCS 5460 | Fruit Crop Physiology and Production | 3 |
| CHEM 2310 | Introductory Organic Chemistry | 4 | MICROBIO 4000 | Basic and Practical Microbiology | 4 |
| CHEM 2510 | Organic Chemistry I | 4 | MICROBIO 4100 | General Microbiology | 5 |
| CHEM 2520 | Organic Chemistry II | 4 | MICROBIO 4130 | Microbial Genetics | 3 |
| EEOB 3310 | Evolution | 4 | MOLGEN 4500 | General Genetics | 3 |
| EEOB 3410 | Ecology | 4 | PLNTPTH 2000 | Molds, Mushrooms, and Mankind | 3 |
| ENR 5270 | Soil Fertility | 3 | PLNTPTH 5010 | Phylobacteriology | 2 |
| ENR 5272 | Turfgrass Soils | 2 | PLNTPTH 5020 | Introductory Plant Virology | 2 |
| ENTMLGY 3330/4440H | Social Insects | 3 | PLNTPTH 5030 | Nematology | 2 |
| ENTMLGY 4604 | Urban Entomology | 2 | PLNTPTH 5040/5041 | Science of Fungi: Mycology Lecture and Lab | 4 |
| ENTMLGY 4606 | Introduction to Forensic Entomology | 2 | PLNTPTH 5110/ENTMLGY 5110 | Ecology and Mgmt of Pathogens and Insects Affecting Trees in Forest and Urban Envs. | 3 |
| ENTMLGY 4607 | Veterinary Entomology | 2 | PLNTPTH 5120 | Diseases of Ornamental Plants | 2 |
| ENTMLGY 5130 | Field Insect Taxonomy | 3 | PLNTPTH 5130 | Turf Diseases & Integrated Turf Health Management | 4 |
| ENTMLGY 5420 | Insect Behavior Mechanisms and Function | 3 | PLNTPTH 5140 | Diseases of Field Crops | 2 |
| ENTMLGY 5500 | Biological Control of Arthropod Pests | 3 | PLNTPTH 5150 | Fruit and Vegetable Diseases | 2 |
| ENTMLGY 5600 | Principles and Applications of IPM | 3 | PLNTPTH 5685 | Plant Disease Diagnosis | 2 |
| ENTMLGY 5800 | Pesticide Science | 3 | Study Abroad | Study abroad at a foreign institution | varies |
| HCS 4325 | Plant Genetics | 3 | | | |
| HCS 4411 | Grain, Oilseed, and Fiber Crops | 3 | | | |
| HCS 5412 | Forages, Grasslands, and Prairies | 3 | Total | | 36 |