B.S. in Agriculture
Major: Entomology

All students must complete two Global Issues courses. This requirement is the successor to the diamond and asterisk requirement. All students must take a Social Diversity requirement in the GE by completing Rural Sociology 1500 or Sociology 101.

FAES 1100 and ENTMLGY 1100 0.5, 0.5 Social Science 1 (Rural Soc 1500 or Soc 1101) 3
Writing Level 1 (ENG 1110) 3 Social Science 2 (AED Econ 2001 or Econ 2001) 3
Writing Level 2 (from list) (2367) 3 Historical Study 3
Agr Comm 3130 or Comm 2110 3 Culture & Ideas or Historical Study 3
Math 1150 4 Literature 3
Data Analysis (from list) 3 Art 3
Biology 1113 5 Contemporary Issues/College Capstone (3597) 3
Chemistry 1210 5 Minor 12-15
Chemistry 1220 (Open option by major) 4 Major 36
Biology 1114 (Open option by college) 5 Internship 1-2
Electives 12-16
TOTAL 121

Minor: Students in applied pest management track can minor in any subject, except entomology; options range from Crop Science to Public Health to Business Management. Students in a pre-graduate school or pre-medical school or pre-veterinary school track are encouraged to use the Alternative Minor, which will include organic chemistry and calculus-2 and an option for physics.

Major Requirements

Entomology core required courses: 5-6
- ENTMLGY 3000 General Entomology 3
- ENTMLGY 5601 Current Topics in Entomology, Science and Society 3
  or ENTMLGY 5604 Capstone: Problem-Based Studies in Plant Health 2

Required Courses from Other Departments: 12
- EEOB 3410 Introduction to Ecology, lecture 4
- MATH 1151 Calculus 1 5
- MOL GEN 4500 General Genetics 3

Required electives, select one applied course from the following: 2-3
- ENTMLGY 4601 General Insect Pest Management 2
- ENTMLGY 4602 Urban Landscape and Greenhouse Entomology 2
- ENTMLGY 4603 Agricultural Entomology 2
- ENTMLGY 4604 Urban Entomology: Structural and Nuisance Pests 2
- ENTMLGY 4606 Introduction to Forensic Entomology 2
- ENTMLGY 4607 Veterinary Entomology 2
- ENTMLGY 5110 Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments 3
- ENTMLGY 5605 Human Heath Entomology 2

Required electives, select minimum of 9 credit hours from the list below or additional options from the list above 9
- ENTMLGY 3330 or 4440H Social Insects, or Honors Social Insects 3
- ENTMLGY 4999 or 4999H Research 1-6
- ENTMLGY 5120 Aquatic Insect Biology and Ecology (Stone Lab) 3-4
- ENTMLGY 5130 Field Insect Taxonomy 3
- ENTMLGY 5420 Insect Behavior: Mechanisms and Function 3
- ENTMLGY 5500 Biological Control of Arthropod Pests 3
- ENTMLGY 5623 Insect Morphology 2
- ENTMLGY 5660 Principles and Applications of Integrated Pest Mgmt. 3
- ENTMLGY 5800 Pesticide Science 3

Electives can also include entomology courses at the 6000 level, as chosen in consultation with the advisor.

Electives related to the major: 7-9
Additional courses from those listed above, OR upper level courses in Evolution, Ecology, and Organismal Biology; Molecular Genetics; Plant Cellular and Molecular Biology; Organic Chemistry; Plant Pathology; Microbiology; Horticulture and Crop Science; Environmental and Natural Resources; and similar fields.