

## 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
		<u>Electives</u>	<u>12-16</u>
		<b>TOTAL</b>	<b>121</b>

**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

**36**

#### 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 Health 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.