

## Entomology

### Departmental Requirements

Courses marked with an asterisk (\*) are required to fulfill general education requirements.

|   |   |
|---|---|
| A ST311G, Statistical Applications.....   | 3 |
| ANSC/BIOL 305 Genetics .....  | 3 |
| BIOL 111G, Natural History of Life, and BIOL 211G, Cellular and Organismal<br>Biology.....  | 6 |
| BIOL 311, General Microbiology.....   | 3 |
| BIOL 313, Structure and Function of Plants, or BIOL 322, Zoology .....  | 3 |
| CHEM 111, 112, General Chemistry, I, II* .....  | 8 |
| COMM 265G, Principles of Human Communication, or COMM 253G, Public<br>Speaking, or AXED 201G, Effective Leadership and Communication in<br>Agricultural Organizations*..... | 3 |
| ENGL 111G, Freshman Composition*.....   | 4 |
| ENGL 311G, Advanced Composition, or ENGL 218G, Technical and<br>Professional Communication* .....   | 3 |
| EPWS 100, Introduction to Pest Management .....   | 3 |
| EPWS 100L, Pest Management Laboratory .....   | 1 |
| EPWS 301, Agricultural Biotechnology.....   | 3 |
| EPWS 302, General Entomology .....  | 4 |
| EPWS 310, Plant Pathology .....   | 4 |
| EPWS 311, Weed Science .....  | 4 |
| EPWS 447, Seminar.....  | 1 |
| MATH 121, College Algebra .....   | 3 |

### General education electives from the following categories:

|                                     |           |
|-------------------------------------|-----------|
| Humanities and fine arts .....      | 6-9       |
| Social and behavioral sciences..... | 6-9       |
| <b>Total .....</b>                  | <b>15</b> |

### OPTION: Entomology

The Entomology option prepares you a career in entomology and related disciplines. Emphasis is placed on a broad background in field and laboratory aspects of insect biology and management.

|   |   |
|---|---|
| BIOL 465, Invertebrate Zoology .....  | 4 |
| CHEM 211, Organic Chemistry .....   | 3 |
| EPWS 303, Economic Entomology.....  | 4 |
| EPWS 325, Insects, Humans, and the Environment*.....                                    | 3 |
| EPWS 455, Advanced Integrated Pest Management, or EPWS 456, Biological<br>Control ..... | 3 |
| EPWS 462, Parasitology.....   | 3 |
| EPWS 475, Urban Entomology .....  | 3 |
| EPWS 481, Plant Nematology.....   | 3 |

|   |   |
|---|---|
| EPWS 491, Insect Physiology .....                                 | 3 |
| EPWS 492, Diagnosing Plant Disorders.....                         | 3 |
| MATH 142G, Calculus for Biological and Management Sciences I..... | 3 |
| <b>Select at least three of the following:</b>                    |   |
| EPWS 314, Plant Physiology.....                                   | 3 |
| EPWS 451, Tropical Insect Ecology .....                           | 3 |
| EPWS 486, Plant Virology .....                                    | 3 |
| AGRO 471, Plant Mineral Nutrition.....                            | 3 |
| AGRO 365, Principles of Crop Production .....                     | 3 |
| ANSC 370, Anatomy and Physiology of Farm Animals.....             | 4 |
| BIOL 436, Disease Vector Biology .....                            | 3 |
| BIOL 462, Conservation Biology .....                              | 3 |
| BIOL 469, Biology of Emerging Infectious Diseases .....           | 3 |
| BIOL 480, Animal Behavior.....                                    | 3 |
| GENE 452, Applied Bioinformatics.....                             | 3 |
| ES 301 (BIOL 301 or FWCE 301), Principles of Ecology.....         | 3 |
| SOIL 252, Soils.....  | 3 |

| \*Cannot be counted as a Viewing a Wider World course for Ag Biology Majors