

Required and Elective Courses for the Major in Entomology (83+ credits)

Required: Entomology Major

Total 44-45 credits

01:119:115-116, 117 General Biology and Lab (4,4,2).

Note: 4 credits can be counted as SEBS core - Natural Sciences

01:160:161-162, 171 General Chemistry & Lab (4,4,1)

Note: 4 credits can be counted as SEBS core - Natural Sciences

01:640:135 Calculus I (4) *or* **01:960:211** Statistics I (3)
or **11:216:369** Analytical Methods in EENR (3)

11:216:351 Principles of Ecology (3)

11:370:350 Agricultural Entomology & Pest Management (3)

11:370:381 Insect Biology (4)

11:370:409 Insect Classification (4)

11:370:403 Insect Structure and Function (4)

11:370:407 Careers and Professional Development in Entomology (1)

11:370:495, 496 Seminar in Entomology (3)

Note: Seminar in Entomology is 1 credit per semester. Students are required to take a total of three times to equal 3 credits

Note: Juniors and seniors may, with the permission of the instructor and the graduate dean, register for appropriate graduate courses in entomology for elective credits.

Entomology Electives

At least 5 (15+ credits)

11:370:308 Apiculture (3)

11:370:355 Applied Acarology (3)

11:370:414 Forensic Entomology (3)

11:370:352 Toxicology of Insecticides (3)

11:776:408 Turfgrass Pest Science (4)

11:370:406 Medical & Veterinary Entomology (3)

11:370:430 Urban Entomology (3)

11:370:404 Insect Structure & Function (4)

11:370:415 Decomposition Ecology (3)

11:370:380 Insect Biotechnology (3)

Note: Additional entomology electives can be taken and counted for approved elective credits

*Note: For Careers in **Pest Management**, the following entomology elective courses are recommended:*

11:370:430 Urban Entomology (3)

11:370:352 Toxicology of Pesticides (3)

11:776:408 Turfgrass Pest Science (4)

11:370:380 Insect Biotechnology (3)

Approved General Electives

At least 8 (24+ credits)

11:573:232 Fundamentals of Environmental Geomatics (4)

11:216:371 Intro to Remote Sensing Image Analysis (3)

11:776:302 General Plant Pathology (3)

11:776:402 Principles of Weed Science (3)

11:776:405 Plant Biosecurity Issues & Technologies (3)

01:160:209 Elementary Organic Chemistry (4)

01:160:307-308 Organic Chemistry (4,4)

01:447:380 Genetics (4)

11:115:301 Introductory Biochemistry (3)

11:115:403 Biochemistry (4)

11:115:404 Biochemistry (4)

11:776:305 Plant Genetics (4)

11:216:302 Parasite Ecology (4)

11:216:317 Conservation Ecology (3)

11:216:324 Invertebrate Zoology (4)

11:216:332 Plant Ecology (4)

11:216:411 Plant Diversity & Evolution (3)

11:216:421 Wetland Ecology (3)

11:216:441 Animal Behavior (3)

11:216:464 Wildlife Ecology & Conservation (3)

11:375:407 Environmental Toxicology (3)

11:776:210 Principles of Botany (4)

11:776:382 Plant Physiology (4)

11:680:390 General Microbiology (4)

11:216:269 Evolution of Animal Behavior (3)

11:067:328 Animal Genetics (3)

11:126:481 Molecular Genetics (3)

11:126:484 Tools for Bioinformatic Analysis (3)

11:776:485 Functional Genomics for Research (3)

11:776:391 Weeds, Disease, and Insects of Plants (3)

11:020:436 Sustainable Agriculture (3)

11:020:321 Principles and Practices of Organic Farming (3)

11:375:453 Soil Ecology (3)

*Note: For Careers in **Pest Management**, the following courses non-entomology elective courses are recommended:*

11:115:301 Introductory Biochemistry (3)

11:115:403 Biochemistry (4)

11:115:404 Biochemistry (4)

11:375:407 Environmental Toxicology (3)