**Required and Elective Courses for the Major and Minor in Entomology**

*Courses Determined in Consultation with Advisor (40+ credits)*

**Required: Entomology Major**

- 01:119:115-116, 117 General Biology and Lab *(4,4,2)*
  *Note 4 credits can be counted under SEBS core-Natural Sciences*

- 01:160:161-162, 171 General Chemistry & Lab *(4,4,1)*
- 01:750:194 Physics for the Sciences *(4)* or 01:750:202 Extended General Physics *(5)*
- 11:370:350 Agricultural Entomology & Pest Management *(3)*
- 11:370:381 Insect Biology *(4)*
- 11:370:409 Insect Classification *(4)*
- 11:370:495, 496 Undergraduate Seminar in Entomology *(3)*

**Required: Entomology Minor**

- 01:119:115-116 General Biology *(4,4)*
- 11:370:409 Insect Classification *(4)*

**Group 1**

- Entomology Major: at least 6 *(18+ credits)*
- Entomology Minor: at least 4 *(12+ credits)*
- 11:370:308 Apiculture *(3)*
- 11:370:352 Toxicology of Pesticides *(3)*
- 11:370:355 Applied Acarology *(3)*
- 11:370:402 Aquatic Entomology *(4)*
- 11:370:403 Insect Structure & Function 1 *(4)*
- 11:370:404 Insect Structure & Function 2 *(4)*
- 11:370:406 Medical & Veterinary Entomology *(3)*
- 11:370:414 Forensic Entomology *(3)*
- 11:370:415 Decomposition Ecology *(3)*
- 11:370:430 Urban Entomology *(3)*
- 11:776:408 Turfgrass Pest Science *(4)*
- 11:370:350 Agricultural Entomology & Pest Management *(3)*

**Group 2**

- Natural Sciences: at least 2 *(7–8 credits)*
- 01:447:380 Genetics *(4)*
- 01:694:301 Introductory Biochemistry & Molecular Biology *(3)*
- 11:115:404 Biochemistry *(4)*
- 11:776:305 Plant Genetics *(4)*

**Group 3**

- Ecology and Plant Science: at least 1 *(3-4 credits)*:
  - 11:776:302 General Plant Pathology *(3)*
  - 11:776:402 Principles of Weed Science *(3)*

**Group 4**

- Spatial and Risk Analysis: at least 2 *(4–6 credits)*:
  - 11:776:405 Plant Biosecurity Issues & Technologies *(3)*
  - 11:573:232 Fundamentals of Environmental Geomatics *(3)*
  - 11:573:233 Fundamentals of Environmental Geomatics Lab *(1)*
  - 11:776:407 Fundamentals of Risk Analysis *(1)*

**Group 5**

- Other Approved Electives: at least 2 *(7+ credits)*
  - 01:460:101 Introductory Geology *(4)*
  - 11:216:272 Dendrology *(4)*
  - 11:216:317 Conservation Ecology *(3)*
  - 11:216:323 Ornithology *(4)*
  - 11:216:324 Invertebrate Zoology *(4)*
  - 11:216:325 Vertebrate Zoology *(4)*
  - 11:216:332 Plant Ecology *(4)*
  - 11:216:335 Limnology *(4)*
  - 11:216:371 Introduction to Remote Sensing Image Analysis *(3)*
  - 11:216:411 Plant Diversity & Evolution *(3)*
  - 11:216:416 Environmental Education *(3)*
  - 11:216:421 Wetland Ecology *(3)*
  - 11:216:441 Animal Behavior *(3)*
  - 11:375:407 Environmental Toxicology *(3)*
  - 11:670:202 Elements of Climatology *(3)*
  - 11:776:210 Principles of Botany *(4)*

**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. Students intending to minor in entomology are urged to contact the department as early in their program as possible, and no later than the middle of their junior year.

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