ENTOMOLOGY AND NEMATOLOGY

This biological science includes the study of insects, mites, ticks, spiders, and nematodes. These creatures can have both helpful and harmful effects on our food, environment, and health. Entomology and Nematology students study ecology, medically significant arthropods, social insects, insect management, physiology, behavior, evolution, natural ecosystem cycles, and systematics.

About this Program

- **College**: Agricultural and Life Sciences (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL)
- **Degree**: Bachelor of Science
- **Specializations**: Biological Science of Insects (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/ENY_BS/ENY_BS02) | Preprofessional (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/ENY_BS/ENY_BS04) | Urban Pest Management (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/ENY_BS/ENY_BS07)
- **Credits for Degree**: 120
- **Additional Information**
  - Related Entomology and Nematology Programs

To graduate with this major, students must complete all university, college, and major requirements.

The Department of Entomology and Nematology offers the major. Faculty within the department cover areas in systematics, ecology, medically significant arthropods, social insects, insect management, physiology, behavior, evolution and natural ecosystem cycles. The department has a long tradition of sending students to medical, veterinary and dental school. Graduate school prospects are also high and employment options using entomology are versatile.

Related Entomology and Nematology Programs

- Combined Degree (http://catalog.ufl.edu/UGRD/academic-programs/combined-degrees)
- Entomology and Nematology minor (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/ENY_UMN)

**Academic Learning Compact**

The entomology and nematology curriculum develops an excellent knowledge base and an understanding of concepts and fundamental practices. Through formal courses, laboratory experimentation and individual research experience, students will learn how the scientific method is applied to the biological world at the whole organism and population levels. Students will learn to evaluate hypotheses, to acquire and interpret experimental data, and to communicate results effectively in appropriate styles. Special focus will be information on insect identification, morphology, behavior, physiology and ecology.

Before Graduating Students Must

- Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to

**Student Learning Outcomes (SLOs)**

**Content**

1. Identify insects and describe and explain insect morphology, physiology and behavior.

**Critical Thinking**

2. Acquire, analyze and synthesize entomological information.

**Communication**

3. Communicate proficiently in the sciences in oral and written forms.

**Curriculum Map**

*I = Introduced; R = Reinforced; A = Assessed*

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<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
<th>SLO 3</th>
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**Assessment Types**

- Assignments
- Exams
- Course grades
- Research collection