ENTOMOLOGY AND NEMATOLOGY | URBAN PEST MANAGEMENT

Entomology and nematology are biological sciences dealing with insects, mites, ticks, spiders, and nematodes.

About this Program

- **College:** Agricultural and Life Sciences
- **Degree:** Bachelor of Science
- **Credits for Degree:** 120
- **Specializations:** Basic Science | Biosecurity | Ecotourism | Plant Protection | Preprofessional | Urban Pest Management

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

Critical Tracking records each student's progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites may be used for transfer students.

Semester 1

- Complete 2 of 5 critical-tracking courses, excluding labs:
  - BSC 2010/BSC 2010L or BOT 2010C, BSC 2011/BSC 2011L, CHM 2045/CHM 2045L, MAC 1147, PHY 2020 or PHY 2004
  - 2.0 GPA required for all critical-tracking courses
  - 2.0 UF GPA required

Semester 2

- Complete 1 additional critical-tracking course, excluding labs
  - 2.0 GPA required for all critical-tracking courses
  - 2.0 UF GPA required

Semester 3

- Complete 1 additional critical-tracking course, excluding labs
  - 2.0 GPA required for all critical-tracking courses
  - 2.0 UF GPA required

Semester 4

- Complete 1 additional critical-tracking course, excluding labs
  - 2.0 GPA required for all critical-tracking courses
  - 2.0 UF GPA required

Semester 5

- Complete all critical-tracking courses, including labs
  - 2.0 GPA required for all critical-tracking courses
  - 2.0 UF GPA required

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student’s academic record and scheduling availability of courses. Prerequisites still apply.

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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
- Pass the entomology and nematology competency exam, which will be tailored to individual specializations.
- 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.

Approved Business Electives: 12 Credits Minimum

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AEB 3122</td>
<td>Financial Planning for Agribusiness</td>
<td>3</td>
</tr>
<tr>
<td>AEB 3133</td>
<td>Principles of Agribusiness Management</td>
<td>3</td>
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Assessment Types
- Assignments
- Exams
• Course grades
• Research collection