ENTOMOLOGY AND NEMATOLOGY

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 | Preprofessional | Urban Pest Management
- **Additional Information**

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
- Entomology and Nematology minor

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

- 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.

Curriculum Map

<table>
<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
<th>SLO 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC 3030C</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>AEC 3033C</td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>ENY 3005</td>
<td>I, A</td>
<td>I, A</td>
<td>I</td>
</tr>
<tr>
<td>ENY 3005L</td>
<td>A</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>ENY 4161</td>
<td>R, A</td>
<td></td>
<td>R, A</td>
</tr>
</tbody>
</table>

Assessment Types

- Assignments
- Exams
- Course grades
- Research collection