

# ENTOMOLOGY, MS

## *for the degree of Master of Science in Entomology*

**chair of department:** May R. Berenbaum

**co-directors of graduate studies:** Alexandra Harmon-Threatt and Adam Dolezal

**overview of department admissions & requirements:** [https://sib.illinois.edu/entomology/graduate\\_admissions/](https://sib.illinois.edu/entomology/graduate_admissions/)

**overview of graduate college admissions & requirements:** <https://grad.illinois.edu/admissions/apply> (<https://grad.illinois.edu/admissions/apply/>)

**department website:** <https://sib.illinois.edu/entomology/>

**department faculty:** <https://sib.illinois.edu/entomology/faculty> (<https://sib.illinois.edu/entomology/faculty/>)

**college website: Liberal Arts & Sciences:** <https://las.illinois.edu/>

**department office:** 320 Morrill Hall, 505 South Goodwin Avenue, Urbana, IL 61801

**phone:** (217) 333-2910

**email:** [entowork@life.illinois.edu](mailto:entowork@life.illinois.edu)

The Department of Entomology offers graduate programs leading to the Master of Science and Doctor of Philosophy degrees. The program is designed to accommodate incoming students with a wide range of entomological expertise. The goal of the program is to provide students with a strong background in basic biology as it relates to insects and to equip them with the specialized intellectual and technical skills to pursue a career in research, teaching, and service in entomology and related biological disciplines.

Major areas of specialization within the department include systematics, evolutionary biology, molecular genetics, genomics, chemical ecology, disease ecology, invasion biology, toxicology, pollinator health, social insect biology, insect-microbe interactions, conservation biology, and integrated pest management.

## Graduate Degree Programs in Entomology

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**concentration:** Computational Science & Engineering (<http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/>)

Entomology, PhD (<http://catalog.illinois.edu/graduate/las/entomology-phd/>)

**concentration:** Computational Science & Engineering (<http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/>)

## Admission

The Graduate Record Examination (GRE) general test scores are not required by our Department but can be submitted if they will support your application. A minimum Test of English as a Foreign Language (TOEFL) score of 550 (paper-based test), 213 (computer-based test), or 79 (internet-based test), or an International English Language Testing System (IELTS) score of 6.5, is required. Previous training in entomology is unnecessary. It is recommended that students who intend to study for advanced degrees in entomology gain a thorough grounding in the physical and biological sciences, mathematics, and the liberal arts. Spring admission is possible for special circumstances.

## Graduate Teaching Experience

Although teaching is not a general Graduate College requirement, experience in teaching is considered an important part of the graduate experience in this program and serving as a teaching assistant for at least two semesters is required.

## Financial Aid

Graduate student awards are available, including teaching and research assistantships. In addition, fellowships and traineeships are offered by the Graduate College and the School of Integrative Biology. A single application to the department is sufficient for consideration for all awards currently available.

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A candidate for the M.S. degree is expected to become knowledgeable in entomology through coursework and independent research and to complete a research thesis in an area of interest chosen in consultation with an adviser.

For additional details and requirements refer to the department's Graduate Handbook (<http://www.life.illinois.edu/entomology/handbook.html>) and the Graduate College Handbook (<http://www.grad.illinois.edu/gradhandbook/>).

| Code                          | Title             | Hours |
|-------------------------------|-------------------|-------|
| Select four of the following: |                   | 14    |
| IB 427                        | Insect Physiology |       |

|                    |  |           |
|--------------------|--|-----------|
| IB 444             | Insect Ecology                                 |           |
| IB 468             | Insect Classification and Evol                 |           |
| IB 482             | Insect Pest Management                         |           |
| IB 504             | Genomic Analysis of Insects                    |           |
| ENT 599            | Thesis Research (12 max applied toward degree) | 12        |
| <b>Total Hours</b> |  | <b>32</b> |

**Other Requirements**

| Requirement   | Description |
|---|-------------|
| Other requirements may overlap  |             |
| Prescription Exam Required (administered upon entrance into program)        | Yes         |
| Masters Thesis Defense Required   | Yes         |
| Masters Thesis Deposit Required   | Yes         |
| Minimum 500-level Hours Required Overall:                                   | 12          |
| The grade point average required for degree certification is 3.0 (A = 4.0). |             |
| Minimum GPA:  | 3.0         |