

# ENTOMOLOGY, PHD

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## *for the degree of Doctor of Philosophy in Entomology*

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**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)

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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.

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## Graduate Degree Programs in Entomology

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

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

Entomology, PhD (p. 1)

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

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## 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 Ph.D. degree should be conversant with entomological aspects of ecology, genetics, systematics, physiology, and integrated pest management. The candidate must demonstrate professional competence in a specialized area by presenting an acceptable thesis based on original research designed in consultation with a faculty adviser and approved by a graduate faculty thesis committee.

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/>).

**Entering with approved M.S./M.A. degree**

Code	Title	Hours
Select 0-20 hours from the following:		0-20
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	
IB 526	Seminar in Entomology (Special Topics)	3
Statistics course		4
ENT 599	Thesis Research (0 min applied toward degree)	0
<b>Total Hours</b>		<b>64</b>

**Other Requirements**

Requirement	Description
Other requirements may overlap	
Prescription Exam Required (administered upon entrance into program)	Yes
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
The grade point average required for degree certification is 3.0 (A = 4.0).	
Minimum GPA:	3.0

**Entering with approved B.S./B.A. degree**

Code	Title	Hours
Select 20 hours from the following:		20
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	
IB 526	Seminar in Entomology (Special Topics)	3
Statistics course		4
ENT 599	Thesis Research (0 min applied toward degree)	0
<b>Total Hours</b>		<b>96</b>

**Other Requirements**

Requirement	Description
Other requirements may overlap	
Prescription Exam Required (administered upon entrance into program)	Yes
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
The grade point average required for degree certification is 3.0 (A = 4.0).	
Minimum GPA:	3.0