ENTOMOLOGY

http://www.life.illinois.edu/entomology/

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505 South Goodwin Avenue
Urbana, IL 61801
(217) 333-2910
E-mail: entowork@life.uiuc.edu

Major: Entomology
Degrees Offered: M.S., Ph.D.

Medical Scholars Program: Doctor of Philosophy (Ph.D.) in Entomology and Doctor of Medicine (M.D.) through the Medical Scholars Program (http://www.med.illinois.edu/mdphd)

Graduate Degree Programs

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, phytochemical ecology, population biology, toxicology, neurophysiology, neuroanatomy, developmental biology, behavior, sociobiology, endocrinology, and integrated pest management.

Admission

The Graduate Record Examination (GRE) general test is not required, but strongly recommended. A Test of English as a Foreign Language (TOEFL) score of 550 or better is preferred. 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.

Medical Scholars Program

The Medical Scholars Program permits highly qualified students to integrate the study of medicine with study for a graduate degree in a second discipline, including Entomology. Students may apply to the Medical Scholars Program prior to beginning graduate school or while in the graduate program. Applicants to the Medical Scholars Program must meet the admissions standards for and be accepted into both the doctoral graduate program and the College of Medicine. Students in the dual degree program must meet the specific requirements for both the medical and graduate degrees. On average, students take eight years to complete both degrees. Further information on this program is available by contacting the Medical Scholars Program, 125 Medical Sciences Building, (217) 333-8146 or at www.med.illinois.edu/msp (http://www.med.illinois.edu/msp).

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 is strongly recommended.

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, and the Program in Ecology, Evolution and Conservation Biology. A single application to the department is sufficient for consideration for all awards currently available.

Master of Science in Entomology

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.

Select four of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB 427</td>
<td>Insect Physiology</td>
</tr>
<tr>
<td>IB 444</td>
<td>Insect Ecology</td>
</tr>
<tr>
<td>IB 468</td>
<td>Insect Classification and Evol</td>
</tr>
<tr>
<td>IB 482</td>
<td>Insect Pest Management</td>
</tr>
<tr>
<td>IB 504</td>
<td>Genomic Analysis of Insects</td>
</tr>
<tr>
<td>ENT 599</td>
<td>Thesis Research (12 max applied toward degree)</td>
</tr>
</tbody>
</table>

Total Hours: 32

Other Requirements

Other requirements may overlap

- Prescription Exam Required: Yes
- Masters Thesis Defense Required: Yes
- Masters Thesis Deposit Required: Yes
- Minimum 500-level Hours Required: 12

Overall:

The grade point average required for degree certification is 3.0 (A = 4.0).

Minimum GPA: 3.0

1 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).

Doctor of Philosophy in Entomology

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

Select 0-20 hours from the following:

<table>
<thead>
<tr>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB 427</td>
<td>Insect Physiology</td>
<td>0-20</td>
</tr>
<tr>
<td>IB 444</td>
<td>Insect Ecology</td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
<td>IB 504</td>
<td>Genomic Analysis of Insects</td>
<td></td>
</tr>
<tr>
<td>IB 526</td>
<td>Seminar in Entomology (Special Topics)</td>
<td>3</td>
</tr>
</tbody>
</table>

Statistics course: 4

ENT 599 Thesis Research (0 min applied toward degree): 0

Total Hours: 64

Other Requirements

Other requirements may overlap:
- Prescription Exam Required: 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

Select 20 hours from the following:

<table>
<thead>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB 427</td>
<td>Insect Physiology</td>
<td>20</td>
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<td>3</td>
</tr>
</tbody>
</table>

Statistics course: 4

ENT 599 Thesis Research (0 min applied toward degree): 0

Total Hours: 96

Other Requirements

Other requirements may overlap:
- Prescription Exam Required: 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

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).