ENTOMOLOGY, PH.D.

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

MAJOR REQUIREMENTS

MODE OF INSTRUCTION

<p>| Mode of Instruction Definitions | Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students are able to complete a program with minimal disruptions to careers and other commitments. | Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments. | Face-to-Face: Courses typically meet during weekdays on the UW-Madison Campus. | Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information. | Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format. |</p>
<table>
<thead>
<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
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<td>No</td>
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CURRICULAR REQUIREMENTS

Requirements Detail

- **Minimum Credit Requirement**: 51 credits
- **Minimum Residence Credit Requirement**: 32 credits
- **Minimum Graduate Coursework Requirement**: Half of degree coursework (26 credits out of 51 total credits) must be completed graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university’s Course Guide.
- **Overall Graduate GPA Requirement**: 3.00 GPA required.
- **Other Grade Requirements**: The Graduate School requires an average grade of B or better in all course work (300 or above, not including research credits) taken as a graduate student unless conditions for probationary status require higher grades. Grades of Incomplete are considered to be unsatisfactory if they are not removed during the next enrolled semester.

Assessments and Examinations

Doctoral students are required to take a comprehensive preliminary/oral examination after they have cleared their record of all Incomplete and Progress grades (other than research and thesis). Deposit of the doctoral dissertation in the Graduate School is required. Additional information regarding assessment and examinations is available on the departmental website (http://labs.russell.wisc.edu/ento/graduate-study/handbooks-and-forms/) (http://labs.russell.wisc.edu/ento/graduate-study/handbooks-and-forms/).

Language Requirements

- **Doctoral Minor/Breadth Requirements**: All doctoral students are required to complete a minor.

REQUIRED COURSES

Additional information and forms related to program-specific courses is available in the program handbook (http://labs.russell.wisc.edu/ento/graduate-study/handbooks-and-forms/) including foundation courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENTOM/ZOOLOGY 302</td>
<td>Introduction to Entomology</td>
<td>4</td>
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</tbody>
</table>

**Must take at least 3 credits from each of the 3 categories below, plus one additional course for a total of 4 courses.**

- **Organismal**
  - ENTOM 331: Taxonomy of Mature Insects
  - ENTOM 432: Taxonomy and Bionomics of Immature Insects
  - ENTOM 450: Basic and Applied Insect Ecology
  - ENTOM 451: Basic and Applied Insect Ecology Laboratory

- **Plant-Insect Interactions**
  - ENTOM/BOTANY/ZOOLOGY 473: Plant-Insect Interactions

- **Ecotoxicology: The Chemical Players**
  - ENTOM/AGRONOMY/F&W ECOL/M&ENVTOX 632: Ecotoxicology: The Chemical Players

- **Ecotoxicology: Impacts on Individuals**
  - ENTOM/AGRONOMY/F&W ECOL/M&ENVTOX 633: Ecotoxicology: Impacts on Individuals

- **Ecotoxicology: Impacts on Populations, Communities and Ecosystems**
  - ENTOM/AGRONOMY/F&W ECOL/M&ENVTOX 634: Ecotoxicology: Impacts on Populations, Communities and Ecosystems

- **Advanced Taxonomy**
  - ENTOM 701: Advanced Taxonomy

- **Physiology of Insects**
  - ENTOM 321: Physiology of Insects

- **Plant-Microbe Interactions: Molecular and Ecological Aspects**
  - ENTOM/BOTANY/PL PATH 505: Plant-Microbe Interactions: Molecular and Ecological Aspects

- **Molecular Ecology**
  - ENTOM/GENETICS/ZOOLOGY 624: Molecular Ecology
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENTOM 351</td>
<td>Principles of Economic Entomology</td>
</tr>
<tr>
<td>ENTOM/ ZOOLOGY 371</td>
<td>Medical Entomology</td>
</tr>
<tr>
<td>ENTOM 450</td>
<td>Basic and Applied Insect Ecology</td>
</tr>
<tr>
<td>ENTOM 451</td>
<td>Basic and Applied Insect Ecology Laboratory</td>
</tr>
<tr>
<td>ENTOM/ F&amp;W ECOL 500</td>
<td>Insects in Forest Ecosystem Function and Management</td>
</tr>
</tbody>
</table>

### Seminars

Students should select seminars in consultation with their advisor.

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ENTOM 601</td>
<td>Seminar in Methods of Scientific Oral Presentations</td>
</tr>
<tr>
<td>ENTOM 801</td>
<td>Colloquium</td>
</tr>
<tr>
<td>ENTOM 875</td>
<td>Special Topics</td>
</tr>
<tr>
<td>ENTOM 901</td>
<td>Seminar in Organismal Entomology 1</td>
</tr>
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### Additional Credits

Students must take additional credits, in consultation with their advisor, to reach a total of 51 credits. This may include ENTOM 990.

1 Students must take 2 instances of ENTOM 901.