# Entomology (PhD)

## Degree Requirements

### Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select a minimum of 3 courses from the following list:</td>
<td>9</td>
<td>9</td>
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<tr>
<td>ENT 502</td>
<td>Insect Diversity</td>
<td></td>
<td></td>
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<tr>
<td>ENT 503</td>
<td>Insect Morphology and Physiology</td>
<td></td>
<td></td>
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<tr>
<td>ENT 504</td>
<td>Professional Development for Agriculture and the Life Sciences</td>
<td></td>
<td></td>
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<tr>
<td>ENT 506</td>
<td>Principles of Genetic Pest Management</td>
<td></td>
<td></td>
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<tr>
<td>ENT 509</td>
<td>Biology of Aquatic Insects</td>
<td></td>
<td></td>
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<tr>
<td>ENT 510</td>
<td>Writing Proposals in Agriculture, Biology, and Ecology</td>
<td></td>
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<tr>
<td>ENT 520</td>
<td>Insect Behavior</td>
<td></td>
<td></td>
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<tr>
<td>ENT 526</td>
<td>Organic Agriculture: Principles and Practices</td>
<td></td>
<td></td>
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<tr>
<td>ENT 550</td>
<td>Fundamentals of Arthropod Management</td>
<td></td>
<td></td>
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<tr>
<td>ENT 560</td>
<td>Techniques in Molecular Ecology and Evolution</td>
<td></td>
<td></td>
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<tr>
<td>ENT 582</td>
<td>Medical and Veterinary Entomology</td>
<td></td>
<td></td>
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<tr>
<td>ENT 591</td>
<td>Special Topics In Entomology</td>
<td></td>
<td></td>
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<tr>
<td>ENT 726</td>
<td>Biological Control of Insects and Weeds</td>
<td></td>
<td></td>
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<tr>
<td>ENT 727</td>
<td>Ecology of Soil Ecosystems</td>
<td></td>
<td></td>
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<tr>
<td>ENT 731</td>
<td>Insect Ecology</td>
<td></td>
<td></td>
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<tr>
<td>ENT 762</td>
<td>Insect Pest Management In Agricultural Crops</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENT 791</td>
<td>Special Topics In Entomology</td>
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</tbody>
</table>

### Seminar Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 601</td>
<td>Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or ENT 801</td>
<td>Seminar</td>
<td></td>
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</tbody>
</table>

Seminar course must be repeated to fulfill 3 credit hours.

### Additional Courses

Additional Courses are determined in conjunction with the academic committee to meet the 72 total hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
</table>

Total Hours: 72

## Faculty

### Full Professors

- Rick Lynn Brandenburg
- David Buchwalter
- Wayne G. Buhler
- Hannah J. Burrack
- Robert R. Dunn
- Steven D. Frank
- Fred L. Gould
- Rebecca Elizabeth Irwin
- George G. Kennedy
- Dominic Duane Reisig
- Richard M. Roe
- Coby J. Schal
- Jules Silverman
- Clyde E. Sorenson
- David R. Tarpy
- James F. Walgenbach
- David W. Watson
- Anna Elizabeth Whitfield
- Brian M. Wiegmann

### Associate professors

- Marce D. Lorenzen
- David B. Orr
- Michael Hay Reiskind
- Dorith Rotenberg

### Assistant Professors

- Zachary Steven Brown
Sydney E. Crawley
Anders Schmidt Huseth
Aram Arshak Mikaelyan
Elsa Youngsteadt

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**Emeritus Faculty**
Charles Smith Apperson
Jack S. Bacheler
James R. Baker
Julius R. Bradley Jr
Wayne Maurice Brooks
William V. Campbell
Lewis L. Deltz
Maurice H. Farrier
Fred P. Hain
James D. Harper
Ruediger C. Hillmann
John R. Meyer
Harry B. Moore Jr.
Herbert H. Neunzig
John F. Roberts
Robert L. Robertson
Kenneth A. Sorensen
Phillip S. Southern
Ronald Edwin Stinner
John W. VanDuyn
Charles Gerald Wright

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**Adjunct Professors**
Nicholas M. Haddad
Christopher M. Ranger