ECOLOGY, EVOLUTION, & CONSERVATION BIOLOGY, MS

for the degree of Master of Science in Ecology, Evolution & Conservation Biology

head of department: Angela Kent
department website: https://sib.illinois.edu/peec/
school website: School of Integrative Biology (http://sib.illinois.edu/)
overview of grad college admissions & requirements: https://grad.illinois.edu/admissions/apply/
college website: https://las.illinois.edu/
department office: 320 Morrill Hall, 505 South Goodwin Avenue, Urbana, IL 61801
e-mail: PEEC-Support@sib.illinois.edu
phone: (217) 333-2910

Graduate Degree Programs in Ecology, Evolution & Conservation Biology

The Program in Ecology, Evolution and Conservation Biology (PEEC) is an interdepartmental program designed to provide individualized training in preparation for careers in these disciplines. Because of the breadth of fields covered by this program, there will be no fixed course requirements other than attendance at the program’s seminar series and annual graduate student symposium. Courses taken by a student and the student’s Advisory Committee generally will come from multiple departments. The goal of the program’s regulations is to allow maximum flexibility while providing close supervision, with the outcome of producing scientists who are broadly educated and technically competent in ecology, evolutionary biology and associated disciplines. The program offers M.S. and Ph.D. degrees.

Admission

Prospective candidates must meet the requirements for admission set by the Graduate College of the University of Illinois at Urbana-Champaign. Only applicants who have graduated from an accredited college or university and who hold or will be granted a baccalaureate degree (or its equivalent) comparable in content and completed credit hours to that granted by the University of Illinois will be considered. Applicants must have a minimum grade-point average of 3.0 (A = 4.0) computed from the last two years of undergraduate (and any graduate) work completed. The program will give preference to candidates who hold a degree in biology or a closely related discipline and show promise of excellence in research and teaching. Typically, only students with strong letters of recommendation and a GPA well above the minimum stated above will be admitted. Demonstration of academic excellence by other means (e.g., extensive field or laboratory research experience) will also be considered. The Admissions Committee will make decisions concerning admission. For students whose native language is not English, the Program requires a minimum paper-based TOEFL score of 613 (257 on the computer-based test or 103-104 on the web-based test).

Financial Aid

Students admitted to the Program are typically offered two years of support for the M.S. degree and five years of support for the Ph.D. Support consists of fellowships, teaching assistantships or research assistantships. Such support typically comes with a waiver of tuition, service fees, or both. Continued offers of assistantships or fellowships each academic year will depend on an evaluation of satisfactory progress by the Director of the Program. Students who require more than two years to complete the M.S. degree or five years to complete the Ph.D. degree must submit a written petition to the Director of the Program, supported by their Advisor, to be considered for an additional year of support.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>IB 546</td>
<td>Topics in Ecology &amp; Evolution (Section A to be taken each semester of enrollment. Section B if not taken in MS program)</td>
<td>5</td>
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</tbody>
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Students must complete one course from each core area (p. 1)

| Ecology Core List
| Evolution Core List
| Conservation Biology Core List

Thesis Hours Required (8 min applied toward degree) (Credit in rubrics other than BIOL, NRES, PBIO or ENT must be petitioned to apply): 8

Total Hours 32

Other Requirements

Other requirements may overlap

Course work in three core areas with grades no lower than B or S. 12

Minimum 500-level Hours Required Overall:

Minimum GPA: 3.0

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Ecology Core Area Course, choose one:</strong></td>
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<tr>
<td>IB 431</td>
<td>Behavioral Ecology</td>
<td></td>
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<tr>
<td>IB 439</td>
<td>Biogeography</td>
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<td>IB 442</td>
<td>Evolution of Infectious Disease</td>
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<td>IB 443</td>
<td>Evolutionary Ecology</td>
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<td>IB 444</td>
<td>Insect Ecology</td>
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<td>IB 447</td>
<td>Field Ecology</td>
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<td>IB 450</td>
<td>Stream Ecology</td>
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<td>IB 452</td>
<td>Ecosystem Ecology</td>
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<td>IB 453</td>
<td>Community Ecology</td>
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<tr>
<td>NRES 419</td>
<td>Env and Plant Ecosystems</td>
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<tr>
<td>NRES 465</td>
<td>Landscape Ecology</td>
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<tr>
<td><strong>Evolution and Systematics Core Area Course, choose one:</strong></td>
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<tr>
<td>IB 405</td>
<td>Evolution of Traits and Genomes</td>
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<td>IB 416</td>
<td>Population Genetics</td>
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<td>IB 426</td>
<td>Env and Evol Physl of Animals</td>
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<td>IB 461</td>
<td>Ornithology</td>
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<td>IB 462</td>
<td>Mammalogy</td>
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<td>IB 463</td>
<td>Ichthyology</td>
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<td>IB 464</td>
<td>Herpetology</td>
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<td>IB 467</td>
<td>Principles of Systematics</td>
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<td>IB 468</td>
<td>Insect Classification and Evol</td>
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<td>IB 471</td>
<td>General Mycology</td>
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<td>MCB 435</td>
<td>Evolution of Infectious Disease</td>
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<td>PSYC 433</td>
<td>Evolutionary Neuroscience</td>
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<tr>
<td><strong>Conservation Biology Core Area Course, choose one:</strong></td>
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<tr>
<td>ANSC 406</td>
<td>Zoo Animal Conservation Sci</td>
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<td>CB 540</td>
<td>Wildlife Ecosystem Health</td>
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<td>IB 444</td>
<td>Insect Ecology</td>
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<td>IB 451</td>
<td>Conservation Biology</td>
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<td>NRES 407</td>
<td>Wildlife Population Ecology</td>
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<tr>
<td>NRES 409</td>
<td>Fishery Ecol and Conservation</td>
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<td>NRES 420</td>
<td>Restoration Ecology</td>
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<td>NRES 423</td>
<td>Politics of International Conservation and Development</td>
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<tr>
<td>NRES 429</td>
<td>Aquatic Ecosystem Conservation</td>
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<td>NRES 474</td>
<td>Soil and Water Conservation</td>
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