Program Information
Director of Academic Programs and Graduate Coordinator: T. Frazer

Graduate students are advised by one of the 280 members of the School’s affiliate faculty and have a supervisory committee with interdisciplinary composition. For the list of Graduate Faculty, see http://snre.ifas.ufl.edu/people/affiliated-faculty/. Graduate students are hosted in one of 44 participating academic units.

The School offers a program of study leading to the Master of Science (thesis and non-thesis options), and Doctor of Philosophy degrees in interdisciplinary ecology. Minimum requirements for these degrees are given in the Graduate Degrees (http://catalog.ufl.edu/graduate/degrees) section of this catalog. The course work requirements and curriculum are described in more detail at http://snre.ifas.ufl.edu/academics/graduate/courses-syllabi-and-curriculum/. Choices among 450 courses are custom-fitted by the student and the supervisory committee to meet the student’s specific needs and interests.

The Interdisciplinary Ecology program views the social-ecological system as the proper framework for addressing the full scope of complex, adaptive systems comprising humans in the natural world. The degree program challenges students to understand both natural and human dynamics to obtain a holistic view and to foster integration of human activities with natural resources and the environment. The learning outcomes of the program are to develop a thorough understanding of the components, processes, and interactions of the social-ecological system, competence in scientific research methodologies, and experience in professional interaction with peers.

The degree programs combine

1. course work in the science of ecology and additional natural and social sciences; and
2. competence in a recognized discipline in one of these fields of study.

The former is achieved with a core-course and distribution requirement and the latter by extra course work for the master’s and a concentration for the doctoral degree. A thesis or dissertation provides first-hand experience creating scientific knowledge. The non-thesis master’s option provides rapid, advanced preparation for the job market in 3 to 4 semesters, without research experience. Course requirements are 36 semester hours for the thesis option, 38 hours for the non-thesis option, and 60 hours beyond the master’s degree for the doctoral degree.

Combined programs: The School offers a combined bachelor’s/master’s degree program, which allows qualified students to earn both a bachelor’s degree and a master’s degree with a savings of 1 semester.

Degrees Offered

Degrees Offered with a Major in Interdisciplinary Ecology

- Doctor of Philosophy
  - without a concentration
  - concentration in Agricultural and Biological Engineering
  - concentration in Agricultural Education and Communication
  - concentration in Agronomy
  - concentration in Anthropology
  - concentration in Architecture
  - concentration in Biochemistry and Molecular Biology
  - concentration in Botany
  - concentration in Business Administration
  - concentration in Chemistry
  - concentration in Civil Engineering
  - concentration in Climate Science
  - concentration in Coastal and Oceanographic Engineering
  - concentration in Economics
  - concentration in English
  - concentration in Entomology and Nematology
  - concentration in Environmental Engineering Sciences
  - concentration in Family, Youth and Community Sciences
  - concentration in Farming Systems
  - concentration in Fisheries and Aquatic Sciences
  - concentration in Food and Resource Economics
  - concentration in Food Science
  - concentration in Forest Resources and Conservation
  - concentration in Foundations of Education
  - concentration in Geographic Information Systems
  - concentration in Geography
  - concentration in Geology
  - concentration in Health and Human Performance
  - concentration in Horticultural Sciences
  - concentration in Hydrologic Sciences
  - concentration in Landscape Architecture
  - concentration in Mathematics
  - concentration in Microbiology and Cell Science
  - concentration in Nuclear and Radiological Engineering
  - concentration in Philosophy
  - concentration in Political Science
  - concentration in Religion
  - concentration in Sociology
  - concentration in Soil and Water Science
  - concentration in Statistics
  - concentration in Tropical Conservation and Development
  - concentration in Urban and Regional Planning
  - concentration in Veterinary Medical Sciences
  - concentration in Wetland Sciences
  - concentration in Wildlife Ecology And Conservation
  - concentration in Women’s/Gender Studies
  - concentration in Zoology

- Master of Science
  - without a concentration
  - concentration in Agricultural and Biological Engineering
  - concentration in Agricultural Education and Communication
  - concentration in Agronomy
  - concentration in Anthropology
  - concentration in Architecture
  - concentration in Biochemistry and Molecular Biology
• concentration in Botany
• concentration in Business Administration
• concentration in Chemistry
• concentration in Civil Engineering
• concentration in Climate Science
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• concentration in Urban and Regional Planning
• concentration in Veterinary Medical Sciences
• concentration in Wetland Sciences
• concentration in Wildlife Ecology And Conservation
• concentration in Women’s/Gender Studies
• concentration in Zoology

Requirements for these degrees are given in the Graduate Degrees (http://catalog.ufl.edu/graduate/degrees) section of this catalog.

Courses

### Interdisciplinary Ecology Courses

http://snre.ifas.ufl.edu/academics/graduate/courses-syllabi-and-curriculum/

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<tr>
<th>Code</th>
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<tr>
<td>EVR 5705</td>
<td>Natural Resources and Innovation Systems</td>
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<td>EVR 6320</td>
<td>Sustainable Natural Resource Management</td>
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<td>EVR 6934</td>
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<td>EVR 6979</td>
<td>Nonthesis Master’s Project</td>
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<td>PCB 6971</td>
<td>Research for Master’s Thesis</td>
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<td>PCB 7979</td>
<td>Advanced Research</td>
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<td>PCB 7980</td>
<td>Research for Doctoral Dissertation</td>
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### College of Agricultural and Life Sciences Courses

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<td>ALS 5156</td>
<td>Agricultural Ecology Principles and Applications</td>
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<td>ALS 5905</td>
<td>Individual Study</td>
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<td>ALS 5932</td>
<td>Special Topics</td>
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<td>ALS 6046</td>
<td>Grant Writing</td>
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<td>ALS 6166</td>
<td>Exotic Species and Biosecurity Issues</td>
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<td>ALS 6921</td>
<td>Colloquium on Plant Pests of Regulatory Significance</td>
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<td>ALS 6925</td>
<td>Integrated Plant Medicine</td>
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<td>ALS 6931</td>
<td>Plant Medicine Program Seminar</td>
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<td>ALS 6935</td>
<td>Topics in Biological Invasions</td>
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<td>ALS 6942</td>
<td>Principles of Plant Pest Risk Assessment and Management</td>
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<td>ALS 6943</td>
<td>Internship in Plant Pest Risk Assessment and Management</td>
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<td>ANS 6936</td>
<td>Graduate Seminar in Animal Molecular and Cell Biology</td>
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<td>Graduate Survey of Biochemistry</td>
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<td>Policy Issues and Case Studies in Nonprofit Organizations</td>
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<td>Aquatic Plant Management</td>
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<td>Introduction to Applied Statistics for Agricultural and Life Sciences</td>
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<td>Matrix Algebra and Statistical Computing</td>
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