WILDLIFE ECOLOGY AND CONSERVATION

This major focuses on developing students’ knowledge of the conservation and management of wildlife and habitats for the greatest aesthetic, ecological, economic, and recreational values. Students in the Wildlife Ecology and Conservation major study biology, chemistry, ecology, calculus, soil science, plant taxonomy, entomology, geography, zoology, and sustainability.

About this Program

- **College:** Agricultural and Life Sciences (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL)
- **Degree:** Bachelor of Science
- **Specializations:** Preprofessional (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/WEC_BS/WEC_BS04) | Wildlife Ecology and Conservation (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/WEC_BS/WEC_BS05)
- **Credits for Degree:** 120
- **Contact**

To graduate with this major, students must complete all university, college, and major requirements.

Department Information

The Department of Wildlife Ecology and Conservation fosters education, expands knowledge, and rewards scholarship, using multi-disciplinary approaches for the purpose of understanding, managing, and conserving biological resources. [Website](https://wec.ifas.ufl.edu)

CONTACT

Email (ccwillia@ufl.edu) | 352.846.0643 (tel) | 352.392.6984

P.O. Box 110430
110 NEWINS-ZIEGLER HALL
GAINESVILLE FL 32611-0430
Map (http://campusmap.ufl.edu/#/index/0832)

Curriculum

- **Combination Degrees**
- **Wildlife Ecology and Conservation**
- **Wildlife Ecology and Conservation Minor**

Related Programs

- **Forest Resources and Conservation**

The department also co-administers a major in natural resource conservation with the School of Forest Resources and Conservation. [More Info](http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/NRC_BSF)

Academic Learning Compact

The primary focus of the wildlife ecology and conservation major is to develop students’ knowledge of the conceptual and applied aspects of scientific, social and ethical thought in wildlife ecology and conservation. Emphasis is placed on the biology, ecology, natural history and behavior of Florida wildlife species and the management of wildlife, their habitats and their population dynamics for the greatest aesthetic, ecological, economic and recreational values. Students will learn to think critically about major problems in the conservation of biological diversity and to apply biological principles to the preservation of this diversity.

Before Graduating Students Must

- Pass the wildlife ecology and conservation competency exam, given as part of WIS 4203C or WIS 4554.
- Achieve minimum grades of C in AEC 3030C and AEC 3033C. These courses are graded using rubrics developed by a faculty team.
- Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to

Student Learning Outcomes (SLOs)

**Content**

1. Acquire knowledge of scientific, social and ethical arenas of wildlife ecology and conservation; acquire skills for critical reasoning in conservation management; acquire knowledge of Florida wildlife species and their biology, ecology, natural history and behavior; describe principles and applications of wildlife management practices, population dynamics and habitat management; and apply biological principles to solve problems in wildlife conservation and preserve biological diversity.

**Critical Thinking**

2. Apply ecological, mathematical and statistical concepts to interpret, understand and communicate wildlife ecology and conservation data.

**Communication**

3. Create, interpret and analyze written text, oral messages and multimedia presentations used in agricultural and life sciences.

Curriculum Map

I = Introduced; R = Reinforced; A = Assessed

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<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
<th>SLO 3</th>
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<tr>
<td>AEC 3030C</td>
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<td>AEC 3033C</td>
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<td>WIS 4203C or WIS 4554</td>
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Assessment Types

- Exams
- Final course grades