WILDLIFE ECOLOGY AND CONSERVATION

Designed for those with a keen interest in wildlife ecology and conservation, this major provides training for a variety of wildlife careers, as well as a solid foundation for professional employment or advanced graduate study. The primary focus is to develop the student's knowledge of the conservation and management of wildlife and their habitats for the greatest aesthetic, ecological, economic, and recreational values.

About this Program

• College: Agricultural and Life Sciences
• Degree: Bachelor of Science
• Credits for Degree: 120
• Specializations: Preprofessional | Wildlife Ecology and Conservation
• Additional Information
• Contact
• Related Wildlife Ecology and Conservation Programs

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

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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<td>AEC 3030C</td>
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<td>WIS 4203C or WIS 4554</td>
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Assessment Types

• Exams
• Final course grades