ANIMAL SCIENCES

Animal Sciences graduates work with the science and business of producing domestic livestock species or animal-related products. They may also pursue veterinary studies for future work with companion animals, livestock, or other species. Animal Sciences students study biotechnology, reproduction, genetics, nutrition, physiology, growth, behavior, management, and food processing.

About this Program

- **College:** Agricultural and Life Sciences (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/)
- **Degree:** Bachelor of Science
- **Specializations:** Animal Biology (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/ANS_BS/ANS_BS01/) | Equine (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/ANS_BS/ANS_BS02/) | Food Animal (http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/ANS_BS/ANS_BS03/)
- **Credits for Degree:** 120

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

Department Information

The Department of Animal Sciences creates new solutions to tomorrow’s problems in the areas of teaching, research, and extension, by integrating the most modern technologies available with personal expertise and attention to the needs of both students and industry.

Website (https://animal.ifas.ufl.edu/)

CONTACT
352.392.1981 (tel) | 352.392.7652 (fax)
P.O. BOX 110910
2250 Shealy Drive
GAINESVILLE FL 32608
Map (http://campusmap.ufl.edu/#/index/0459)

Curriculum

- Animal Genetics Certificate
- Animal Sciences
- Combination Degrees

By choosing appropriate electives, students can earn a minor or a dual major in agribusiness management, extension education or agricultural operations management while completing the degree requirements for the equine or food animal specialization.

Animal Biology

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Equine

Animal Sciences graduates work with the science and business of producing domestic livestock species or animal-related products. They may also pursue veterinary studies for future work with companion animals, livestock, or other species. Animal Sciences students study biotechnology, reproduction, genetics, nutrition, physiology, growth, behavior, management, and food processing.

Academic Learning Compact

Animal sciences majors receive a broad education in the healthy production of animals and animal products. Students' knowledge will be developed through formal courses, laboratories and field trips and will be applied in internships, team projects and presentations. Students will develop the ability to apply conceptual knowledge to solve problems in animal production and to make management decisions.

Before Graduating Students Must

- Pass the animal sciences competency exam, given in three parts. One part will be given in each of these required courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ANS 3006</td>
<td>Introduction to Animal Science</td>
<td>3</td>
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<tr>
<td>ANS 3043</td>
<td>Growth and Development of Farm Animals</td>
<td>3</td>
</tr>
<tr>
<td>ANS 3319C</td>
<td>Reproductive Physiology and Endocrinology in Domestic Animals</td>
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• Achieve minimum grades of C in AEC 3030C and AEC 3033C. These courses are graded using rubrics developed by a faculty committee.
• Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to
Student Learning Outcomes (SLOs)

Content
1. Describe and explain fundamental concepts, skills and processes in animal sciences.
2. Apply fundamental concepts, skills and processes in animal sciences.

Critical Thinking
3. Critically evaluate information (or data) in animal sciences.
4. Solve problems in animal sciences.

Communication
5. Effectively communicate in written form in a manner appropriate in animal sciences.
6. Effectively communicate orally in a manner appropriate in animal sciences.

Curriculum Map
\( I = \text{Introduced}; \ R = \text{Reinforced}; \ A = \text{Assessed} \)

<table>
<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
<th>SLO 3</th>
<th>SLO 4</th>
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<tr>
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Assessment Types
• Grades
• Academic assessment exam
  • Students in the equine specialization must complete a case study in ANS 4234
  • Students in the food animal specialization must complete an economic assessment plan in ANS 3613C