ANIMAL SCIENCES

Potential careers for animal sciences majors include livestock production (beef cattle, dairy cattle, swine, poultry and horses), livestock processing and utilization (meat, milk, performance and recreation), allied service industries (feed, health care, genetics, equipment, supplies, marketing, promotion, finance and education) and preparation for graduate or veterinary medical school.

About this Program

- **College:** Agricultural and Life Sciences
- **Degree:** Bachelor of Science
- **Credits for Degree:** 120
- **Specializations:** Animal Biology | Equine | Food Animal
- **Additional Information**
- **Related Animal Sciences Programs**

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

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>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 3006</td>
<td>Introduction to Animal Science</td>
<td>3</td>
</tr>
<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>
<td>4</td>
</tr>
</tbody>
</table>

- 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 = Introduced; R = Reinforced; A = Assessed

<table>
<thead>
<tr>
<th>Courses</th>
<th>SLO 1</th>
<th>SLO 2</th>
<th>SLO 3</th>
<th>SLO 4</th>
<th>SLO 5</th>
<th>SLO 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEC 3030C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>I, R, A</td>
</tr>
<tr>
<td>AEC 3033C</td>
<td></td>
<td>I, R, A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANS 3006</td>
<td>I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANS 3043</td>
<td>R</td>
<td>I</td>
<td>R</td>
<td>R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANS 3319C</td>
<td>R</td>
<td>I</td>
<td>I, R</td>
<td>R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANS 4931C</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td></td>
</tr>
</tbody>
</table>

Academic A

Assessment Exam

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 3613L