# Department of Animal Science

## Bachelor of Science Degree

**2007-2009**

### Core Requirements

#### Animal Science (37)
- AnS 110 (R)
- 101 (2)
- 114 (2)
- 200 Options (3)
- 211 (1)
- 214, 214L (4)

#### Communications (12.5)
- Engl 150 (3)
- Engl 250 (3)
- Lib 160 (0.5)
- SpCm 212 (3)

#### Personal Development (15)
- Soc Sci (3)
- Humanities (3)
- Ethics (3)
- U.S. Diversity (3)
- Int'l Perspectives (3)

#### Physical Sciences (14)
- Gen Chemistry (5)
- 163, 163L or 177, 177L

#### Biological Sciences (14)
- Biol 211, 211L (4)
- 212, 212L (4)
- Biol 313 or Gen 320 (3)
- Micro 201, 201L (3)

#### Business (7)
- Com Sci 103 (4)
- Elect (3)

### Hours and Grades

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>GPA</th>
<th>Total Hours</th>
<th>Cum. GPA</th>
</tr>
</thead>
</table>

#### Preveterinary Medicine Coursework Requirements

**See ISU Bulletin 2007-2009 for other requirements**

<table>
<thead>
<tr>
<th>Gen Chem (7) - Chem 177, 177L</th>
<th>Gen Biology (8) - Biol 211, 211L</th>
<th>Engl Comp (6) - Engl 150, 250, 302, 309 or 314</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 178</td>
<td>Biol 212, 212L</td>
<td></td>
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<tr>
<td>Org Chem (7) - Chem 331, 331L</td>
<td>Genetics (3) - Biol 313 or Gen 320</td>
<td>Oral Communication (3) - SP CM 212, 223 or 312</td>
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<tr>
<td>Chem 332</td>
<td>Mammalian Anat. &amp; Physiology (3) -</td>
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<tr>
<td>Biochem - BBMB 301 or Biol 314</td>
<td>AnS 214, Biol 155, 255, 335, 351, 351,</td>
<td>Hum &amp; Soc Sci (8)</td>
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<tr>
<td>Physics (4) - Phys 111</td>
<td>or BMS 329</td>
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**plus electives to Total 60 Credits**

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Footnotes: See reverse side.

Please see footnotes on back of this page.
Footnotes:

The following footnotes explain or expand on specific group requirements for Animal Science as listed on the front side of this page. When “lists” are noted, they may be found at a website as indicated on the Animal Science department website (http://www.ans.iastate.edu/). The term “imbedded” refers to requirements which may be met within existing courses. The student receives the nominal credit listed for the course for graduation, but also receives credit toward an internal or “imbedded” requirement. For example, AnS 411 is a core requirement receiving 1 credit for graduation, and it also provides 1 credit towards the imbedded communications intensive requirement. Please note that the lists are evolutionary and new courses are added on an annual basis.

1. **AnS group requirements** are as follows:
   a. **200-level**: select three courses from: 216, 223, 224, 225, 226, 229, 235 or 270.
   b. **300-level**: select one course from: 316, 336, 337, 345, or 360.
   c. **400-level**: select two courses from: 415, 419, 423, 424, 425, 426, 429, 434, 451, 460, or FSHN 405 or 410.

   Animal Science coursework must include a minimum of 3 credit equivalents of “imbedded” **problem solving requirement**. This requirement may be partially met with courses in AnS and outside the department. List is maintained in the department. Successful completion of courses required for the AnS degree will meet this requirement.

2. The **environmental awareness** requirement for the College of Agriculture is a “3 credit equivalent”. The requirement is met by taking specific courses required for an AnS degree.

3. The College of Agriculture **computer proficiency requirement** can be met with a course in computer science or possibly by a proficiency exam. Business group **electives** include: Econ 101, 102 or Acct 284; see your adviser for other alternatives.

4. The **communications requirement** for the college of agriculture includes:
   a. completion of 6 credits of composition and 3 credits of speech, each with a minimum grade of C.
   b. completion of 3 credit equivalents of “imbedded” communications from courses in the College of Agriculture.

   This “imbedded” requirement is met by completing the required core of AnS courses.

5. A total of 15 credits are required in **“Personal Development, Human Relations, and Global Awareness”**. See the curriculum section of the AnS web site for current lists. http://www.ans.iastate.edu/stud/ugrad/
   
   3 credits in general **Social Sciences** (examples: sociology, psychology, political science, and anthropology)
   
   3 credits in general **Humanities** (examples: history, literature, philosophy, and courses in the appreciation of art, music or theater)
   
   3 credits in **Ethics** from the college list
   
   3 credits in **US Diversity** from the university list
   
   3 credits in **International Perspective** from the university list

6. Requirements for admission to Veterinary Medicine are established and changed by the College of Veterinary Medicine. Students interested in applying to the College of Veterinary Medicine should monitor requirements published by the College of Veterinary Medicine. http://www.vetmed.iastate.edu/

7. Elective choices for other **Specialized Options** (contact advisor for specific requirements):
   a. **Equine Management** AnS 216, 316, 336, 415, 417, Acct 284, Econ 101, 102 & 235, TSM 327
   b. **Livestock Management** AnS 270, select 2 (AnS 223, 225, 226, 229, 235), select (AnS 345 or 360), select 2 (AnS 423, 425, 426, 429, 434), Acct 284, AgEds 451, Econ 101, 330, 331, TSM 327, VDPAM 487
   c. **Companion Animal Management** AnS 224, 336, 424, Acct 284, Econ 101, 102, 235 Mgmt 310, 313
   d. **Animal Products** AnS 270, 360, 460, select 2 (AnS 223, 225, 226, 229, 235), select 2 (AnS 423, 425, 426, 429, 434, FSHN 405, 410), FSHN 420