## BS ANIMAL SCIENCE

### 2007-09 Cal Poly Catalog

**Animal Science Department**  
Agriculture Bldg. (10), Room 141  
(805) 756-2419

- 60 units upper division  
- GWR  
- 2.0 GPA  
- USCP  
* = Satisfies General Education requirement

### MAJOR COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASCI 101</td>
<td>Introduction to the Animal Sciences</td>
<td>2</td>
</tr>
<tr>
<td>ASCI 112</td>
<td>Principles of Animal Science</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 211</td>
<td>Meat Science</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 220</td>
<td>Intro. Animal Nutrition and Feeding</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 304</td>
<td>Animal Breeding</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 320/CHEM 313/CHEM 371</td>
<td></td>
<td>4-5</td>
</tr>
<tr>
<td>ASCI 351</td>
<td>Reproductive Physiology</td>
<td>4</td>
</tr>
<tr>
<td>ASCI 461</td>
<td>Senior Project</td>
<td>1</td>
</tr>
<tr>
<td>ASCI 462</td>
<td>Senior Project</td>
<td>2</td>
</tr>
<tr>
<td>ASCI 463</td>
<td>Undergraduate Seminar</td>
<td>2</td>
</tr>
<tr>
<td>ASCI 476</td>
<td>Issues in Animal Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>VS/ASCI 229</td>
<td>Anatomy and Physiology of Farm Animals</td>
<td>4</td>
</tr>
</tbody>
</table>

Production courses (select one from each of the three categories):  
Ruminants: ASCI 221 Intro. Beef Prod. (4) or ASCI 223 Syst. Sheep Prod. (4)  
Nonruminants: PM/ASCI 225 Intro. Poultry Mgmt (4) or ASCI 222 Syst. Swine Prod. (4)  
Companion Animals: ASCI 224 Equine Science (4) or ASCI 227 Companion Animal Sci. (4)  
Nutrition (select one):  
ASCI 350, 355, 346, 420; DSCI 301  
Physiology (select one):  
ASCI 333, 347, 405, 406; DSCI 330; VS/ASCI 438, VS/ASCI 440  
Technology/Management (select two):  
AG 360/AG 450; ASCI 311, 329, 384, 403, 415, 450; PM/ASCI 325, PM/ASCI 330; VS/ASCI 312  
Advisor approved electives:  
(maximum 6 units of CR/NC courses can be counted here)  

### SUPPORT COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 111</td>
<td>General Biology or BIO 161 Intro to Cellular and Molecular Biology (B2 &amp; B4)*</td>
<td>4</td>
</tr>
<tr>
<td>BIO 302/BIO 303/BIO 351</td>
<td></td>
<td>4/5</td>
</tr>
<tr>
<td>CHEM 111/127</td>
<td>Survey of Chemistry (B3&amp;B4)*</td>
<td>5/4</td>
</tr>
<tr>
<td>CHEM 312</td>
<td>Survey of Organic Chemistry or CHEM 316 Organic Chemistry (transfer equivalents CHEM 212, 216)</td>
<td>5</td>
</tr>
<tr>
<td>MATH 118</td>
<td>Pre-Calculus Algebra or MATH 161 Calculus for the Life Sciences I (B1)*</td>
<td>4</td>
</tr>
</tbody>
</table>

### GENERAL EDUCATION (GE)

- 72 units required; 12 units are in Support.  
- Minimum of 12 units required at the 300-400 level.

#### Area A  Communication (12 units)

- A1 Expository Writing  
- A2 Oral Communication  
- A3 Reasoning, Argumentation, and Writing

#### Area B  Science and Mathematics (4 units)

- B1 Mathematics/Statistics  
- B2 Life Science  
- B3 Physical Science

#### Area C  Arts and Humanities (20 units)

- C1 Literature  
- C2 Philosophy  
- C3 Fine/Performing Arts  
- C4 Upper-division elective

#### Area D/E  Society and the Individual (20 units)

- D1 The American Experience  
- D2 Political Economy  
- D3 Comparative Social Institutions  
- D4 Self Development (CSU Area E)

#### Area F  Technology Elective (upper division) (4 units)

- F1 Technology elective

### ELECTIVES

- 180 units

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1. MATH 118 Pre-Calculus Algebra or MATH 161 Calculus for the Life Sciences I (B1)*