**Veterinary Science Checklist (2017 Catalog)**

This checklist is intended as a guide and is not an official document.

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### Graduation Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Units</td>
<td>______/120</td>
</tr>
<tr>
<td>Upper Division Units</td>
<td>_____/42</td>
</tr>
<tr>
<td>4 year institution Units</td>
<td>______/56</td>
</tr>
</tbody>
</table>

- Cumulative GPA:
- Major GPA:
- Mid Career-Writing Assessment:
- Minor:
- Remaining Minor Courses:
- Honors:
- Remaining Honors Units:

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### Veterinary Science BS Requirements

#### Supporting Coursework

- Communications 3 units
  - (AGTM 422 or Comm 101 or 119)  
- General Biology I 4 units
  - (MCB 181R and MCB 181L or MCB 184)  
- General Biology II 4 units
  - (ECOL 182R and ECOL 182L)  
- General Microbiology 4 units
  - (MIC 205a and MIC 205L)  
- Fundamentals of Biochemistry 3 units
  - (BIOC 384)  
- Metabolic Biochemistry 3 units
  - (BIOC 385)
- Statistics 3-4 units
  - (MATH 263 or 163, SBS 200, PSY 230* and ISTA 116)  
- General Physics I 4 units
  - (PHYS 102 and 181)  
- General Physics II 4 units
  - (PHYS 103 and 182)  
- Economics 3 units
  - (ECON 200 or 201a)  
- General Chemistry I 4 units
  - (CHEM 151)  
- General Chemistry II 4 units
  - (CHEM 152)  
- Organic Chemistry I 4 units
  - (CHEM 241A AND CHEM 243A)  
- Organic Chemistry I 4 units
  - (CHEM 241B AND CHEM 243b)  

#### Core Curriculum Tier One (12 units)

- Individuals and Societies (2 courses from 150a, 150b or 150c)
- Traditions and Cultures (2 courses from 160a, 160b, 160c or 160d)

#### Core Curriculum Tier Two (9 units)

- Arts (3 units)
- Humanities (3 units)
- Individuals and Societies (3 units)

(ECON 200 counts towards the major and not towards this requirement).

- Diversity Emphasis Course

For more information contacts:
J. Christina Garcia – jcb3@email.arizona.edu

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*If you test out of Math 112, you are not eligible to take this course

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**General Education Requirements**

### Foundations

- MATH 112 College Algebra or higher
- ENGL101/102 or ENGL 109H
- Foreign Language: 1-2 semesters depending on placement or 1 year proficiency required (included SERP 370a AND 370b)

### Core Curriculum Tier One (12 units)

- and _______ Individuals and Societies (2 courses from 150a, 150b or 150c)
- and _______ Traditions and Cultures (2 courses from 160a, 160b, 160c or 160d)

### Core Curriculum Tier Two (9 units)

- Arts (3 units)
- Humanities (3 units)
- Individuals and Societies (3 units)

(ECON 200 counts towards the major and not towards this requirement).

- Diversity Emphasis Course

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**Major Core Courses (min. 15 units)**

- Intro. To Animal Science 4 units
  - (ACBS 102R and ACBS 102L) Lecture Fall only
- Careers in Veterinary Science 1 unit
  - (ACBS 195F) Fall only
- Genetics 3-4 units
  - (ACBS 313 or PLS 312) Spring only
- Anatomy and Physiology I 3 units
  - (ACBS 400A) Fall only
- Anatomy and Physiology II 3 units
  - (ACBS 400b) Spring only
- Immunology 4 units
  - (ACBS 419) Fall only
- Professional Development in Agriculture
  - (ACBS 395a) Spring Only

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**Major Core Electives (See Page 2, min. 11 units)**

- 6 Units of Disease-related Coursework:
- 5 Units of Disease or Non-Disease Related Coursework:
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Veterinary Science Electives

To complete your major electives complete ≥ 11 units. (≥ 6 units of disease-related coursework)
**Up to 3 units of independent Study (ACBS 399/499), Internship (ACBS 493), or Preceptorship (ACBS 491) can be counted as elective units.

<table>
<thead>
<tr>
<th>Term</th>
<th>Disease-Related</th>
<th>Non Disease-Related</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td>ACBS 380 Food Safety and Microbiology (4) L</td>
<td>ACBS 270 Intro to Horse Science (3)</td>
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<td></td>
<td>ACBS 403R Biology of Animal Parasites (3)</td>
<td>ACBS 315R Physiology of Reproduction (3)</td>
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<td>ACBS 410 Animal Toxicology (3)</td>
<td>ACBS 315L Physiology of Repro. Lab (1) L</td>
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<td></td>
<td>MIC 420 Pathogenic Bacteriology (3)</td>
<td>AREC 315 Agribusiness Economics &amp; Mgmt. (3)</td>
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<td>ACBS 443 Research Animal Methods (3)</td>
<td>ACBS 336A Applied Animal Nutrition (3)</td>
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<td>ACBS 449 Diseases of Wildlife (3)</td>
<td>ACBS 431 Equine Nutrition and Mgmt. (3)</td>
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<td>MIC 452 Antibiotics: A Biological Perspective (3)</td>
<td>ACBS 491 Preceptorship (1-3)</td>
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<td>ACBS 491 Preceptorship (1-3)</td>
<td>ACBS 493 Internship (1-3)</td>
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<td>ACBS 492 Directed Research (1-6)</td>
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<td>ACBS 493 Internship (1-3)</td>
<td>ACBS 399/499 Independent Study (1-3)</td>
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<tr>
<td><strong>Spring</strong></td>
<td>ACBS 317 One Health (3)</td>
<td>ACBS 220 Intro to Dairy Science (2)</td>
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<td>ACBS 405 Principles of Livestock Health Management (3)</td>
<td>ACBS 370 Form and Function of the Equine Athlete (3)</td>
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<td>ACBS 406 Companion Animal Diseases (3)</td>
<td>ACBS 316 Equine Reproductive Physiology &amp; Management (3)</td>
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<td>ACBS 423 Mechanisms of Disease (3)</td>
<td>MCB 410 Cellular Biology (3)</td>
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<td></td>
<td>MIC 430 Food Microbiology and Biotechnology (3)</td>
<td>ACBS 445 Nutrition and Metabolism (3)</td>
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<td></td>
<td>MIC 433 Medical and Molecular Virology (4)</td>
<td>MCB 473 Recombinant DNA Methods &amp; Applications (4) L</td>
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<td>ACBS 438 Ecology of Infectious Disease (3)</td>
<td>ACBS 477 Beef Resource Management (3)</td>
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<td>ACBS 456 Aquaculture (3)</td>
<td>ACBS 491 Preceptorship (1-3)</td>
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<td>ACBS 457 Medical-Veterinary Entomology</td>
<td>ACBS 492 Directed Research (1-6)</td>
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*****When picking your major electives please consult with your major advisor to ensure that you are aware of all course possibilities and are meeting the prerequisites for the courses.*****