Animal Sciences: Pre-Veterinary Medicine
Animal Sciences Department / College of Agriculture

COA-ANSC-BS / Major: ASCI/PRMD 201710
120 Credits for graduation

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**Required Major Courses (12 credits)**

- (3) ANSC 10200 Introduction to Animal Agriculture (UCC STS Selective)
- (1) ANSC 18100 Orientation to Animal Sciences
- (3) ANSC 22100 Principles of Animal Nutrition
- (4) ANSC 23000 Physiology of Domestic Animals
- (1) ANSC 48100 Contemporary Issues in Animal Sciences

**ANSC Restricted Selectives (21 credits) [See ANSC Undergraduate Student Handbook]**

- (4) Animal Genetics Selective
- (3) Animal Nutrition Selective
- (3) Animal Physiology Selective
- (3) Animal Production/Management selective
- (3) Animal Products Selective
- (5) Animal Sciences Selectives

**Other Departmental/Program Course Requirements (84 credits)**

- (0.5) AGR 10100 Introduction to the College of Agriculture and Purdue University
- (0.5) AGR 11400 Introduction to Animal Sciences Academic Program
- (3) AGRY 32000 Genetics
- (1) AGRY 32100 Genetics Laboratory
- (3) Bbcm 30700 Biochemistry
- (4) BIOL 11000 Fundamentals of Biology I
- (4) BIOL 11100 Fundamentals of Biology II
- (4) BIOL 22100 Introduction to Microbiology
- (3) BIOL 23100 Biology I: Cell Structure and Function
- (2) BIOL 23200 Laboratory in Biology IV Cell Structure and Function
- (4) CHM 11500 General Chemistry (satisfies Science #1 for core)
- (4) CHM 11600 General Chemistry (satisfies Science #2 for core)
- (3) CHM 25500 Organic Chemistry
- (1) CHM 25501 Organic Chemistry Laboratory
- (3) CHM 25600 Organic Chemistry
- (1) CHM 25601 Organic Chemistry Laboratory
- (3) MA 16010 Applied Calculus I (satisfies Quantitative Reasoning for core)
- (3) MA 16020 Applied Calculus II
- (4) PHYS 22000 General Physics or PHYS 23300 Physics for Life Sciences I
- (4) PHYS 22100 General Physics or PHYS 23400 Physics for Life Sciences II
- (3) STAT 30100 Elementary Statistical Methods (satisfies Information Literacy for core)
- (1) VM 10200 Careers in Veterinary Medicine
- (3) Economics Selective (satisfies Human Culture Behavioral/Social Science for core)
- (3) UCC Humanities Selective (satisfies Human Cultures Humanities for core)
- (3) Humanities or Social Science Selective
- (3) Humanities or Social Science Selective
- (3) Humanities or Social Science Selective (30000+ level)
- (4) ENGL 10600 First-Year Composition (satisfies Written Communication for core) (satisfies Information Literacy Selective for core)
- (3) COM 11400 Fundamentals of Speech Communication or COM 21700 Science Writing and Presentation (satisfies Oral Communication for core)
- (3) Written or Oral Communications Selective

**Electives (3 credits)**

- (3) Elective

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**University Core Requirements** (http://www.purdue.edu/provost/initiatives/curriculum/course.html)

- Human Cultures Humanities
- Human Culture Behavioral/Social Science
- Information Literacy
- Science Selective
- Science Selective

**College of Agriculture & University Level Requirements** (https://ag.purdue.edu/oap/Pages/core_requirements.aspx)

- 3 credits Multicultural Awareness
- 9 credits International Understanding
- 9 credits of Hum. And/or Social Sciences outside the College of Agriculture
- 3 credits of Hum. And/or Social Science at 30000 or higher

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9/21/2016 (effective Fall 2016)
# Animal Sciences: Pre-Veterinary Medicine

## Suggested Arrangement of Courses:

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 1st Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 1st Year</th>
<th>Prerequisite</th>
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<td>0.5</td>
<td>AGR 10100 Introduction to the College of Agriculture and Purdue University</td>
<td>1 ANSC 18100 Orientation to Animal Sciences</td>
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<td>0.5</td>
<td>AGR 11400 Introduction to Animal Sciences Academic Programs</td>
<td>4 BIOL 11100 Fundamentals of Biology II BIOL 11000</td>
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<td>3</td>
<td>ANSC 10200 Introduction to Animal Agriculture</td>
<td>4 CHM 11600 General Chemistry CHM 11500</td>
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<td>4</td>
<td>BIOL 11000 Fundamentals of Biology I</td>
<td>3 COM 11400 Fundamentals of Speech or COM 21700 Science Writing and Presentation</td>
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<td>4</td>
<td>CHM 11500 General Chemistry</td>
<td>3 MA 16020 Applied Calculus II MA 16010</td>
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<td>3</td>
<td>MA 16010 Applied Calculus I</td>
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<th>Spring 2nd Year</th>
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<td>3</td>
<td>ANSC 22100CC Principles of Animal Nutrition</td>
<td>CHM 11100</td>
<td>3 AGRY 32000 Genetics</td>
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<td>3</td>
<td>BIOL 23100 Biology III: Cell structure and function</td>
<td>BIOL 11100 &amp; CHM 11600</td>
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<td>4 ANSC 23000 Physiology of Domestic Animals</td>
<td>BIOL 11100</td>
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<td>1 CHM 25601 Organic Chemistry Laboratory</td>
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<tr>
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<td>BCHM 30700 Biochemistry</td>
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<td>PHYS 22000 General Physics or PHYS 23300 Physics for Life Sciences I</td>
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<td>4 BIOL 22100 Microbiology</td>
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<td>ANSC 23000</td>
<td>3 Economics Selective</td>
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<th>Credits</th>
<th>Fall 4th Year</th>
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<th>Spring 4th Year</th>
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<tr>
<td>1</td>
<td>ANSC 48100 Contemporary Issues in Animal Sciences</td>
<td>3 Animal Nutrition Selective</td>
<td>ANSC 22100</td>
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<td>4</td>
<td>Animal Genetics Selective</td>
<td>ANGR 32000 and STAT 30100</td>
<td>3 Animal Products Selective</td>
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<td>Animal Production/Management Selective</td>
<td>2 Animal Sciences Selective</td>
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<td>3 Humanities or Social Science Selective (30000+ level)</td>
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<td>Elective</td>
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<td>3 Written or Oral Communication Selective</td>
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1) 120 credits listed above are required for Bachelor of Science degree.
2) 2.0 Graduation GPA required for Bachelor of Science degree.
3) 32 credits of upper division courses (30000 level or higher) must be taken at Purdue University, West Lafayette.
4) ANY COURSE TAKEN AT PURDUE CAN BE ATTEMPTED NO MORE THAN THREE TIMES (INCLUSIVE OF W, WF, I AND IF).
5) CC = is considered a critical course

See next page for all supplemental Information

The student is ultimately responsible for knowing and completing all degree requirements.
myPurdue Plan is knowledge source for specific requirements and completion

9/21/2016 (effective Fall 2016)
ASCI/PRMD Supplemental Information

All prerequisites must be met

1. University Core Curriculum Humanities Selective (3 credits)
   See approved Humanities list at: http://www.purdue.edu/provost/initiatives/curriculum/course.html

2. Humanities and Social Science Selective (9 credits)
   See approved list at: https://ag.purdue.edu/oap/pages/core-social_humanities.aspx

3. Economics Selective (3 credits)
   AGEC 20300 Introductory Microeconomics for Food and Agribusiness
   AGEC 20400 Introduction to Resource Economics and Environmental Policy
   AGEC 21700 Economics
   ECON 20000 Principles of Economics
   ECON 25100 Microeconomics
   ECON 25200 Macroeconomics

4. Written or Oral Communication Selective (3 credits)

5. Animal Genetics Selective (3 to 4 credits)
   ANSC 31100 Animal Breeding
   ANSC 51100 Population Genetics
   ANSC 51400 Animal Biotechnology
   BIOL 41500 Introduction to Molecular Biology

6. Animal Nutrition Selective (3 credits)
   ANSC 32400 Applied Animal Nutrition
   ANSC 52200 Monogastric Nutrition
   ANSC 52400 Ruminant Nutrition and Physiology

7. Animal Physiology Selective (3 credits)
   ANSC 33200 Environmental Physiology of Domestic Animals
   ANSC 33300 Physiology of Reproduction
   ANSC 53500 Avian Physiology
   ANSC 55100 Muscle Development, Physiology, and Chemistry
   ANSC 55500 Animal Growth and Development
   BMS 52800 Avian Physiology

8. Animal Production Management Selective (3 credits)
   ANSC 44000 Horse Management
   ANSC 44100 Beef Management
   ANSC 44200 Sheep Management
   ANSC 44300 Swine Management
   ANSC 44400 Dairy Management
   ANSC 44500 Commercial Poultry Management
   ANSC 44600 Companion Animal Management

9. Animal Products Selective (3 to 4 credits)
   ANSC 30100 Animal Growth, Development, and Evaluation
   ANSC 35100 Meat Science

10. Animal Science Selective (3 to 4 credits)
    ANSC 10100 - 59500

9/21/2016 (effective Fall 2016)