



**California State Polytechnic University, Pomona
Degree Curriculum Sheet**

Plan (Major) **ANIMAL SCIENCE, B.S.**
Subplan/Option **Pre-Veterinary Science/Graduate School**

Catalog Year **2017-2018**
Minimum Units Required **180**

Name _____
Student ID _____

Required Core Courses
Required of all students. A 2.0 cumulative GPA is required in core courses including subplan courses for the major in order to receive a degree in the major.
AG 100 - Orientation to the College of Agriculture (1) AVS 101 - Fundamentals of Animal Nutrition (4) AVS 112 - Animal Science 1: Food Animal Science (4)
AVS 113 - Animal Science II: Companion, Lab, and Exotic Animal Science (4) or AVS 125/125L - Equine Management Science (3/1) (Lecture Component Only)
AVS 114L - Animal Science I: Food Animal Management Laboratory (1)
AVS 115L - Companion, Lab, and Exotic Animal Science Lab (1) or AVS 125/125L Equine Management Science (3/1) (Laboratory Component Only)
AVS 201 - Animal Diseases (3) AVS 350/350L - Anatomy and Physiology of Domestic Animals (4/1)
Total Units 22-23

Required Subplan/Option Courses
AHS 302/302L - Animal Parasitology (3/1)
AVS 303/303L - Applied Animal Feeding (3/1) or AVS 402 - Animal Nutrition (3)
AVS 305 - Genetics of Domestic Animals (4) or BIO 303 - Genetics (4)
AVS 327/327L - Meat Science and Industry (3/1) AVS 404/404A - Animal Breeding (3/1) AVS 412 - Mammalian Endocrinology (4) AVS 414/414L - Physiology of Reproduction and Lactation (3/1) AVS 430/430L - Biotechnology Applications in Animal Science (3/1)
AVS 463 - Undergraduate Seminar (2) or AG 464 - Development of Leadership Skills (3)
Total Units 33-35

Veterinary School Admission Requirements
This curriculum meets the requirements of most, but not all, veterinary schools. The requirements of individual schools may vary and should be determined by the student prior to beginning the application process.

Required Support Courses
BIO 122/122L - Foundations of Biology: Reproduction and Development (3/2) BIO 123/123L - Foundations of Biology: Biodiversity (3/2)
CHM 122 - General Chemistry (3) and CHM 122L - General Chemistry Laboratory (1)
CHM 123 - General Chemistry (3) and CHM 123L - General Chemistry Laboratory (1)
CHM 314 - Organic Chemistry (3) and CHM 317L - Organic Chemistry Laboratory (1)
CHM 315 - Organic Chemistry (3) and CHM 318L - Organic Chemistry Laboratory (1)
CHM 316 - Organic Chemistry (3) CHM 321/321L - Elements of Biochemistry (3/1) MAT 105 - College Algebra (4) MAT 106 - Trigonometry (4) MIC 201/201L - Basic Microbiology (3/1)
PHY 121 - College Physics (3) and PHY 121L - College Physics Laboratory (1)
PHY 122 - College Physics (3) and PHY 122L - College Physics Laboratory (1)
Note(s): The following major support courses should be used to satisfy the indicated GE requirements.
<i>If these courses are not used to satisfy GE, the total units to degree may be more than 180 units.</i>
AG 101 - Agriculture and the Modern World (4) (D2) AG 401 - Ethical Issues in Food, Agricultural, and Apparel Industries (4) (C4) AVS 211 - Drugs and Society (4) (E) AVS 311 - The Animal Industries and Society (4) (B5) BIO 121/121L - Foundations of Biology: Energy and Matter - Cycles and Flows (3/2) (B2, B3) CHM 121 - General Chemistry (3) (B1) and CHM 121L - General Chemistry Laboratory (1) (B3)
STA 120 - Statistics with Applications (4) (B4)
Total Units 82

Interdisciplinary General Education
See Interdisciplinary General Education Courses on the back of the Curriculum Sheet.
Total Units 32

Unrestricted Electives
Select a sufficient number of courses so that the total from "Required Support", "GE", and "Unrestricted Electives" is at least 180 units.
Total Units 0-3

General Education Requirements
Area A Communication & Critical Thinking (12 units)
1. Oral Communication 2. Written Communication 3. Critical Thinking
Area B Mathematics & Natural Sciences (16 units)
1. Physical Science 2. Biological Science 3. Laboratory Activity 4. Math/Quantitative Reasoning 5. Science & Technology Synthesis
Area C Humanities (16 units)
1. Visual and Performing Arts 2. Philosophy and Civilization 3. Literature and Foreign Language 4. Humanities Synthesis
Area D Social Sciences (20 units)
1. U.S. History, Constitution, American Ideals a. United States History b. Introduction to American Government 2. History, Economics and Political Science 3. Sociology, Anthropology, Ethnic & Gender Studies 4. Social Science Synthesis
Area E Lifelong Understanding & Self Development (4 units)
Total Units 68

American Institutions	8
Courses that satisfy this requirement may also satisfy GE Area D1	

American Cultural Perspectives Requirement	4
Refer to the University Catalog General Education Program section for a list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 units for undergraduates.

Interdisciplinary General Education

An alternate pattern for partial fulfillment of GE Areas A, C, D, and E available for students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. Students must be exempt from or score at least 147 on the EPT to qualify for IGE. Please refer to the University Catalog General Education Program section for additional information.

How IGE fulfills General Education Requirements:

Year	Completion of IGE Courses	Satisfies GE Requirements
Freshman	IGE 120, IGE 121, IGE 122	A2 as well as any 2 courses from C1-C3
Sophomore	IGE 220, IGE 221, IGE 222	D1 (8 units) and D3
Junior	IGE 223, IGE 224	D2 and Area E

Total Units 32