



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

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

Catalog Year **2014 - 2015**
Minimum Units Required **180**

Name _____
Student ID _____

Required Core Courses		
Course		Units
Orientation to the College of Agriculture	AG 100	1
Fundamentals of Animal Nutrition	AVS 101	4
Animal Science I	AVS 112	4
Animal Science II	AVS 113	4
or Equine Management Science	AVS 125	(3)
Animal Science I Lab	AVS 114L	1
Animal Science II Lab	AVS 115L	1
or Equine Management Science Lab	AVS 125L	(1)
Animal Diseases	AVS 201	3
Anatomy and Physiology of Domestic Animals	AVS 350/350L	4/1
Total Units		22-23

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

Required Support Courses		
Course		Units
The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet.		
Agriculture and the Modern World (D2)	AG 101	4
Ethical Issues in Food, Agricultural and Apparel Ind (C4)	AG 401	4
Drugs and Society (E)	AVS 211	4
The Animal Industries and Society (B5)	AVS 311	4
Foundations of Biology: Energy and Matter	BIO 121/121L	3/2
& Lab (B2, B3)		
Foundations of Biology: Reproduction and Develop	BIO 122/122L	3/2
& Lab		
Foundations of Biology: Biodiversity & Lab	BIO 123/123L	3/2
General Chemistry & Lab (B1, B3)	CHM 121/121L	3/1
General Chemistry & Lab	CHM 122/122L	3/1
General Chemistry & Lab	CHM 123/123L	3/1
Organic Chemistry & Lab	CHM 314/317L	3/1
Organic Chemistry & Lab	CHM 315/318L	3/1
Organic Chemistry	CHM 316	3
Elements of Biochemistry & Lab	CHM 321/321L	3/1
College Algebra	MAT 105	4
Trigonometry	MAT 106	4
Basic Microbiology & Lab	MIC 201/201L	3/1
College Physics & Lab	PHY 121/121L	3/1
College Physics & Lab	PHY 122/122L	3/1
Statistics with Applications (B4)	STA 120	4
Total Units		82

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

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.

General Education Requirements	
Area	Units
Area A Communication & Critical Thinking	12
1. Oral Communication	
2. Written Communication	
3. Critical Thinking	
Area B Mathematics & Natural Sciences	16
<i>Select at least one lab course from subarea 1 or 2.</i>	
1. Physical Science	
2. Biological Science	
3. Laboratory Activity	
4. Math/Quantitative Reasoning	
5. Science & Technology Synthesis	
Area C Humanities	16
1. Visual and Performing Arts	
2. Philosophy and Civilization	
3. Literature and Foreign Language	
4. Humanities Synthesis	
Area D Social Sciences	20
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
Total Units	68

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

American Cultural Perspectives Requirement	
Refer to catalog for list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4

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.