



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

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

Catalog Year 2013-2014 Name _____
Minimum Units Required 180 Student ID _____

TGA _____
GWT Satisfied Yes No

Required Core Courses		
Course		Units
Orientation for Agriculture Students	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 Sci.	AVS 125	(3)
Animal Science I Lab	AVS 114L	1
Animal Science II Lab	AVS 115L	1
or Equine Management Sci. 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	AHS 302/302L	3/1
Genetics of Domestic Animals	AVS 305	4
or Genetics	BIO 303	(4)
Applied Animal Feeding	AVS 303/303L	3/1
or Advanced Animal Nutrition	AVS 402	(3)
Meat Science and Industry	AVS 327/327L	3/1
Animal Breeding	AVS 404/404A	3/1
Mammalian Endocrinology	AVS 412	4
Physiology of Reproduction & Lactation	AVS 414/414L	3/1
Biotechnology Applications in Animal Science	AVS 430/430L	3/1
Undergraduate Seminar	AVS 463	2
or Development of Leadership Skills	AG 464	(3)
Total Units		33-35

Required Support Courses			
Course			Units
Agriculture and the Modern World (D2)	AG 101		4
Ethical Issues in Food, Agricultural & Apparel (C4)	AG 401		4
Drugs and Society (E)	AVS 211		4
The Animal Industries & Society (B5)	AVS 311		4
Foundations of Biology: Energy & Matter (B2, B3)	BIO 121/121L		3/2
Foundations of Biology: Reproduction & Develop	BIO 122/122L		3/2
Foundations of Biology: Biodiversity	BIO 123/123L		3/2
General Chemistry (B1, B3)	CHM 121/121L		3/1
College Chemistry	CHM 122/122L		3/1
College Chemistry	CHM 123/123L		3/1
Organic Chemistry	CHM 314/317L		3/1
Organic Chemistry	CHM 315/318L		3/1
Organic Chemistry	CHM 316		3
Elements of Biochemistry	CHM 321/321L		3/1
College Algebra	MAT 105		4
Trigonometry	MAT 106		4
Basic Microbiology	MIC 201/201L		3/1
College Physics	PHY 121/121L		3/1
College Physics	PHY 122/122L		3/1
Statistics with Applications (B4)	STA 120		4
Total Units			82

Unrestricted Electives		
Course		Units
Unrestricted Electives		0-3
Select a sufficient number of courses so that the total from "Required Support", "GE", and "Unrestricted Electives" is at least 125 units.		
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 sub-area 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		
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 G.E. Area D1	8

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

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.

Course		GE Area
General Chemistry	CHM 121/121L	B1, B3
Foundations of Biology: Energy & Matter	BIO 121/121L	B2, B3
Statistics with Applications	STA 120	B4
The Animal Industries & Society	AVS 311	B5
Ethical Issues in Food, Agricultural & Apparel Industries	AG 401	C4
Agriculture and the Modern World	AG 101	D2
Drugs and Society	AVS 211	E

The remaining GE requirements may be satisfied by any course approved for that area.

No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree. A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.