



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

Plan (Major) **ANIMAL HEALTH SCIENCE**  
Subplan/Option \_\_\_\_\_

Catalog Year **2016 - 2017**  
Minimum Units Required **180**

Name \_\_\_\_\_  
Student ID \_\_\_\_\_

**Required Core Courses**

AG 100 - Orientation to the College of Agriculture (1)  
AHS 104 - Orientation and Careers in AHS (2)  
AHS 115 - Veterinary Office Procedures (2)  
AHS 128 - Companion Animal Care (3)  
AHS 128L - Companion Animal Nursing Skills Lab (1) \*  
AHS 129/129L - Animal Handling and Restraint (2/2)  
AHS 202/202L - Clinical Anatomy and Physiology for Veterinary Technicians (4/1) \*  
AHS 208/208L - Veterinary Radiology and Ultrasound (2/2) \*  
AHS 210 - Veterinary Terminology and Law (3) \*  
AHS 220/220L - Clinical Nutrition (4/1) \*  
AHS 235/235L - Laboratory Procedures for Veterinary Technicians (1/1) \*  
AHS 244 - Work Experience in Animal Health Sciences (2)  
AHS 245 - Clinical Externship (2)  
AHS 263/263L - Surgical Nursing Skills (1/1) \*  
AHS 302/302L - Animal Parasitology (3/1) \*  
AHS 305/305L - Clinical Pathology and Animal Diseases (3/2) \*  
AHS 307/307L - Clinical Biochemistry and Pharmacology (4/1) \*  
AHS 369/369L - Laboratory Animal Management, Rules and Regulations (3/1) \*  
AHS 407/407L - Critical Care, Advanced Surgical Assisting and Anesthesiology (2/2) \*  
AHS 442 - Externship in Animal Health Sciences I (3)  
AHS 443 - Externship in Animal Health Sciences II (3)  
AHS 450 - Veterinary Economics and Hospital Management (3)  
AVS 112 - Animal Science 1: Food Animal Science (4)  
AVS 463 - Undergraduate Seminar (2)

\*Student must receive a C- or better in order to fulfill prerequisite requirements within the AHS major.

**Total Units 75**

**Required Support Courses**

AG 128/128L - Computer Applications in Agriculture (2/1)

CHM 122 - General Chemistry (3) and  
CHM 122L - General Chemistry Laboratory (1)

CHM 201 - Elements of Organic Chemistry (3) and  
CHM 250L - Elements of Organic Chemistry Laboratory (1)

MAT 105 - College Algebra (4)  
MIC 201/201L - Basic Microbiology (3/1)

Note(s): The following major support courses should be used to satisfy the indicated GE requirements.

If these courses are not used to satisfy GE, the total units to degree may be more than 180 units.

**Continue next column**

**Required Support Courses Con't.**

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 115/115A/115L - Basic Biology (3/1/1) (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 48**

**Elective Support Courses**

See Elective Support Courses List on the back of the Curriculum Sheet.

**Total Units 16**

**Unrestricted Electives**

Select a sufficient number of courses so that the total from "Required Support Courses", "GE", and "Unrestricted Electives" is at least 89 units.

**Total Units 0-1**

**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**

**General Education Requirements**

**Area A Communication & Critical Thinking**

1. Oral Communication
2. Written Communication
3. Critical Thinking

**Area B Mathematics & Natural Sciences**

1. Physical Science
2. Biological Science
3. Laboratory Activity
4. Math/Quantitative Reasoning
5. Science & Technology Synthesis

**Area C Humanities**

1. Visual and Performing Arts
2. Philosophy and Civilization
3. Literature and Foreign Language
4. Humanities Synthesis

**Area D Social Sciences**

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**

**Total Units 68**

**American Institutions**

Courses that satisfy this requirement may also satisfy GE Area D1

**8**

**American Cultural Perspectives Requirement**

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.

**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.

## **Elective Support Courses**

### **Science Emphasis – Select 16 units**

AVS 305 - Genetics of Domestic Animals (4) or  
BIO 302 - Biology of Cancer (4)

BIO 303 - Genetics (4)  
BIO 310 - Cell and Molecular Biology (4)  
BIO 424 - Neuroscience (4)

BIO 451 - Molecular Biology Techniques (3) and  
BIO 451L - Molecular Biology Techniques Laboratory (2)

CHM 314 - Organic Chemistry (3)  
CHM 315 - Organic Chemistry (3)  
CHM 316 - Organic Chemistry (3)  
CHM 327 - Biochemistry (3)  
CHM 328 - Biochemistry (3)  
CHM 329 - Biochemistry (3)  
MIC 425/425L - Medical Mycology (3/2)

MIC 444 - Hematology (3) and  
MIC 444L - Hematology Lab (1)

ZOO 238/238L - Introduction to Vertebrate Zoology (3/2)  
ZOO 422/422L - Histology (2/3)  
ZOO 429/429L - Herpetology (3/2)

OR

### **Business Emphasis – Select 16 units**

ABM 201 - Managing Agribusiness Organizations (3) or  
MHR 301 - Principles of Management (4)

ABM 304 - Food and Agribusiness Marketing (4) or  
IBM 301 - Principles of Marketing Management (4)

ABM 375 - Data Management for Agribusiness (4) or  
TOM 302 - Managerial Statistics (4)

TOM 301 - Operations Management (4)

ABM 402 - Agribusiness Personnel Management (4) or  
MHR 311 - Human Resources Management (4)

ACC 208/208A - Managerial Accounting for Decision Making (4/1)  
CIS 310 - Management Information Systems (4)  
EC 201 - Principles of Economics (4)  
FRL 201 - Legal Environment of Business Transactions (4)  
FRL 300 - Managerial Finance I (3)