

**Major Required 53 units**

AG1010 - Agriculture & The Modern World (3) (D3)  
 AG4010 - Ethical Issues in Food, Agricultural and Apparel Industries (3) (C3 or D4)

AHS3305 - Parasitology and Animal Diseases (3) and  
 AHS3305L - Parasitology and Animal Diseases Laboratory (1)  
 OR  
 BIO2060 - Basic Microbiology (3) and  
 BIO2060L - Basic Microbiology Laboratory (1)

AVS1000 - Orientation to Animal & Veterinary Sciences (1)  
 AVS1112 - Food Animal Production (3)  
 AVS1113 - Companion, Laboratory and Exotic Animal Care (3)  
 AVS1114L - Food Animal Production Laboratory (1)  
 AVS1115L - Companion Animal Management Laboratory (1)  
 AVS2101 - Fundamentals of Animal Nutrition (3)  
 AVS2101L - Fundamentals of Animal Nutrition Laboratory (1)  
 AVS3305 - Animal Genetics (3)

AVS3311 - Animal Industry and Society (3) (B5) or  
 AVS3333 - Canine and Feline Compendium (3) (B5)

AVS3350 - Anatomy and Physiology (4)  
 AVS3350L - Anatomy and Physiology Laboratory (1)  
 AVS4430 - Biotechnology Applications in Animal Science (3)  
 AVS4430L - Biotechnology Applications in Animal Science Laboratory (1)

AVS4610 - Senior Seminar (1)  
 CHM1210 - General Chemistry I (3) (B1)  
 CHM1210L - General Chemistry Laboratory I (1) (B3)  
 CHM1220 - General Chemistry II (3) (B1)  
 CHM1220L - General Chemistry Laboratory II (1) (B3)  
 MAT1050 - College Algebra (3)  
 STA1200 - Statistics with Applications (3) (B4)

**Subplan/Option Required 31 units**

BIO1210 - Foundations of Biology: Energy, Matter, and Information (3) (B2)  
 BIO1210L - Foundations of Biology: Energy, Matter, and Information Laboratory (1) (B3)  
 BIO1220 - Foundations of Biology: Evolution, Ecology, and Biodiversity (3)  
 BIO1220L - Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory (1)  
 CHM3140 - Organic Chemistry I (4)  
 CHM3140L - Organic Chemistry Laboratory I (1)  
 CHM3150 - Organic Chemistry II (3)  
 CHM3150L - Organic Chemistry Laboratory II (1)  
 CHM3210 - Elements of Biochemistry (3)  
 MAT1060 - Trigonometry (3) (B4)  
 PHY1210 - Physics of Motion, Fluids, and Heat (3) (B1)  
 PHY1210L - Physics of Motion, Fluids, and Heat Laboratory (1) (B3)  
 PHY1220 - Physics of Electromagnetism, Circuits, and Light (3)  
 PHY1220L - Electromagnetism, Circuits, and Light Laboratory (1)

**Restricted Electives 0-6 units**

Students should meet with their advisor for a list of approved courses.

Select a sufficient number of courses so that the total from "Major Required", "Subplan/Option Required", "GE", and "Restricted Electives" is at least 120 units.

**General Education Requirements 48 Units**

Students should consult the Academic Programs website

<https://www.cpp.edu/~academic-programs/general-education-course-listings.shtml>

for current information regarding this requirement. Unless specific courses are required, please refer to the list of approved courses under General Education Requirements, Areas A through E.

**Area A. English Language Communication and Critical Thinking (9 units)**

At least 3 units from each sub-area

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

**Area B. Scientific Inquiry and Quantitative Reasoning (12 units)**

At least 3 units from B1, B2, B4, and B5 including 1 unit of lab from B1 or B2 to fulfill B3

1. Physical Sciences
2. Life Sciences
3. Laboratory Activity
4. Mathematics/Quantitative Reasoning
5. Science and Technology Synthesis

**Area C. Arts and Humanities (12 units)**

At least 3 units from each sub-area and 3 additional units from sub-areas 1 and/or 2

1. Visual and Performing Arts
2. Literature, Modern Languages, Philosophy and Civilization
3. Arts and Humanities Synthesis

**Area D. Social Sciences (12 units)**

At least 3 units from each sub-area

1. U.S. History and American Ideals
2. U.S. Constitution and California Government
3. Social Sciences: Principles, Methodologies, Value Systems, and Ethics
4. Social Science Synthesis

**Area E. Lifelong Learning and Self-Development (3 units)**

**Interdisciplinary General Education 21 Units**

An alternate pattern for partial fulfillment of GE Areas A, C, and D available for students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. 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 |
|--------------|---------------------------|---------------------------|
| First        | IGE 1100, IGE 1200        | A2 and C2                 |
| Second/Third | IGE 2100, IGE 2200        | C1 and C2                 |
|              | IGE 2300, IGE 2400        | D1 and D3                 |
| Third/Fourth | IGE 3100                  | C3 or D4                  |

**American Institutions 6 Units**

Courses that satisfy this requirement may also satisfy GE Area D1 and D2.

**American Cultural Perspectives Requirement 3 Units**

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.

**Graduation Writing Test**

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the semester following completion of 60 units for undergraduates.