

Name: \_\_\_\_\_  
 Plan: Agricultural Science, B.S.  
 SubPlan/Option: \_\_\_\_\_  
 Min. Units Required: **120 units**

### Major Required 29 units

AG1010 - Agriculture & The Modern World (3) (D3)  
 AG4010 - Ethical Issues in Food, Agricultural and Apparel Industries (3) (C3 or D4)  
 AGS2500A - Development of Competitive Events Activity (1)  
 AGS3000 - Advocacy in Agricultural Science (2)  
 AGS4610 - Senior Project (3)  
 BIO1150 - Basic Biology (3) (B2)  
 BIO1150L - Basic Biology Laboratory (1) (B3)  
 CHM1210 - General Chemistry I (3) (B1)  
 CHM1210L - General Chemistry Laboratory I (1) (B3)  
 PSY2201 - Introduction to Psychology (3) (E)  
 PSY4490 - Leadership and Teams (3)  
 STA1200 - Statistics with Applications (3) (B4)

**Note(s):**  
 Students interested in teaching should see the Teacher Preparation section for additional secondary education requirements.

### Major Electives 45 units

Students will select an emphasis in either Animal Science or Plant Science. Students will complete 45 total units in their selected emphasis using the following courses as a guide for each emphasis. Students should meet with their academic advisor to ensure enrollment in the appropriate courses or discuss alternative courses in their selected emphasis subject.

#### Animal Science Emphasis

**Select 18 units from this AVS section (9 units must be Upper Division)**

AHS3305 - Parasitology and Animal Diseases (3)  
 AHS3305L - Parasitology and Animal Diseases Laboratory (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)  
 AVS3327 - Meat Science (3)  
 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)

**Select 12 units from this PLT section (6 units must be Upper Division)**

PLT1120 - Plant Science I (3)  
 PLT1120L - Plant Science I Laboratory (1)  
 PLT2140 - History of Garden Art (3) (C1)  
 PLT2200 - Agronomic Principles and Practices (2)  
 PLT2200L - Agronomic Principles and Practices Laboratory (1)  
 PLT2230 - Forage and Pasture Crops (2)  
 PLT2230L - Forage and Pasture Crops Laboratory (1)  
 PLT2260 - Vegetable Crop Systems (2)  
 PLT2260L - Vegetable Crop Systems Laboratory (1)  
 PLT2310 - Basic Soil Science (2)  
 PLT2310L - Basic Soil Science Laboratory (1)  
 PLT2320 - Basic Irrigation Science (3)  
 PLT2420 - Plant Materials (2)  
 PLT2420L - Plant Materials Laboratory (1)  
 PLT3000 - Insects and Civilization (3) (B5)  
 PLT3030 - Pesticide Laws and Regulations (2)  
 PLT3200 - Agricultural Insect Pests (2)  
 PLT3200L - Agricultural Insect Pests Laboratory (1)  
 PLT3650 - Sustainable Agriculture (2)  
 PLT3650L - Sustainable Agriculture Laboratory (1)  
 PLT4230 - Diseases of Ornamentals and Agronomic Crops (2)  
 PLT4230L - Diseases of Ornamentals and Agronomic Crops Laboratory (1)  
 PLT4311 - Plants and Civilization (3) (B5)

### Select 9 units from this ABM section (3 units must be Upper Division)

ABM2010 - Agribusiness Organizations and Careers (3)  
 ABM2240 - Accounting for Agribusiness I (3)  
 ABM3110 - Applied Economics for Agribusiness (3)  
 ABM3130 - Food and Agriculture Policy (3)  
 ABM3290 - Equine Enterprise Management (3)  
 ABM3300 - International Food and Agribusiness Marketing (3)  
 ABM4050 - Food and Agricultural Marketing Applications (3)  
 ABM4130 - Agricultural Law and Compliance (3)  
 ABM4300 - Equine Appraisal and Evaluation (3)  
 ABM4500 - Agricultural Water Resource Management (3)  
 AG2010 - Global Resources for Food (3) (D3)

### Select 6 units from this AgMech Skills (PLT) section

PLT2020 - Subtropical Fruits (2)  
 PLT2020L - Subtropical Fruits Laboratory (1)  
 PLT2450 - General Surveying (1)  
 PLT2450L - General Surveying Laboratory (1)  
 PLT3020 - Technology Innovations in Plant Science (3)  
 PLT4400 - Integrated Pest Management (3)  
 PLT4965 - Sustainable Small-Scale Production (2)  
 PLT4965L - Sustainable Small-Scale Production Laboratory (1)

#### Plant Science Emphasis

**Select 18 units from this PLT section (9 units must be Upper Division)**

PLT1120 - Plant Science I (3)  
 PLT1120L - Plant Science I Laboratory (1)  
 PLT2140 - History of Garden Art (3) (C1)  
 PLT2200 - Agronomic Principles and Practices (2)  
 PLT2200L - Agronomic Principles and Practices Laboratory (1)  
 PLT2230 - Forage and Pasture Crops (2)  
 PLT2230L - Forage and Pasture Crops Laboratory (1)  
 PLT2260 - Vegetable Crop Systems (2)  
 PLT2260L - Vegetable Crop Systems Laboratory (1)  
 PLT2310 - Basic Soil Science (2)  
 PLT2310L - Basic Soil Science Laboratory (1)  
 PLT2320 - Basic Irrigation Science (3)  
 PLT2420 - Plant Materials (2)  
 PLT2420L - Plant Materials Laboratory (1)  
 PLT3000 - Insects and Civilization (3) (B5)  
 PLT3030 - Pesticide Laws and Regulations (2)  
 PLT3200 - Agricultural Insect Pests (2)  
 PLT3200L - Agricultural Insect Pests Laboratory (1)  
 PLT3650 - Sustainable Agriculture (2)  
 PLT3650L - Sustainable Agriculture Laboratory (1)  
 PLT4230 - Diseases of Ornamentals and Agronomic Crops (2)  
 PLT4230L - Diseases of Ornamentals and Agronomic Crops Laboratory (1)  
 PLT4311 - Plants and Civilization (3) (B5)

**Select 12 units from this AVS section (6 units must be Upper Division)**

AHS3305 - Parasitology and Animal Diseases (3)  
 AHS3305L - Parasitology and Animal Diseases Laboratory (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)  
 AVS3327 - Meat Science (3)  
 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)

### 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.

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Min. Units Required: **120 units**

**Select 9 units from this ABM section (3 units must be Upper Division)**

- AG2010 - Global Resources for Food (3) (D3)
- ABM2010 - Agribusiness Organizations and Careers (3)
- ABM2240 - Accounting for Agribusiness I (3)
- ABM3110 - Applied Economics for Agribusiness (3)
- ABM3130 - Food and Agriculture Policy (3)
- ABM3290 - Equine Enterprise Management (3)
- ABM3300 - International Food and Agribusiness Marketing (3)
- ABM4050 - Food and Agricultural Marketing Applications (3)
- ABM4130 - Agricultural Law and Compliance (3)
- ABM4300 - Equine Appraisal and Evaluation (3)
- ABM4500 - Agricultural Water Resource Management (3)

**Select 6 units from this AgMech Skills (PLT) section**

- PLT2020 - Subtropical Fruits (2)
- PLT2020L - Subtropical Fruits Laboratory (1)
- PLT2450 - General Surveying (1)
- PLT2450L - General Surveying Laboratory (1)
- PLT3020 - Technology Innovations in Plant Science (3)
- PLT4400 - Integrated Pest Management (3)
- PLT4965 - Sustainable Small-Scale Production (2)
- PLT4965L - Sustainable Small-Scale Production Laboratory (1)

**Unrestricted Electives**

**0-16 units**

Select a sufficient number of courses so that the total from "Major Required", "GE", and "Unrestricted Electives" is at least 75 units.