



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

Plan (Major) **AGRICULTURAL SCIENCE**
Subplan/Option _____

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

Name _____
Student ID _____

Required Core Courses

Required of all students. A 2.0 cumulative GPA is required in core courses including subplan courses for the major in order to receive a degree in the major. Students interested in teaching should see the Teacher Preparation section for additional secondary education requirements.

- ABM 224 - Accounting for Agribusiness (4)
- ABM 450 - Agricultural Water Resource Management (4)
- AG 100 - Orientation to the College of Agriculture (1)
- AG 101 - Agriculture and the Modern World (4) *
- AG 464 - Development of Leadership Skills (3) *
- AGS 250 - Development of Competitive Agricultural Activities (2)
- AGS 300 - Introduction to Agricultural Education Programs (3)
- AGS 420/420A - Agriculture Skills and Facilities (2/1) *
- AGS 441 - Field Experiences in Agricultural Education (4) *
- AGS 461 - Senior Project (2)
- AGS 462 - Senior Project (2)
- AVS 101 - Fundamentals of Animal Nutrition (4)

- AVS 112 - Animal Science 1: Food Animal Science (4) and
- AVS 114L - Animal Science I: Food Animal Management Laboratory (1)

- AVS 113 - Animal Science II: Companion, Lab, and Exotic Animal Science (4) and
- AVS 115L - Companion, Lab, and Exotic Animal Science Lab (1)

- AVS 327/327L - Meat Science and Industry (3/1)
- PLT 131/131L - Landscape Horticulture (3/1)
- PLT 220/220L - Agronomic Principles and Practices (3/1)
- PLT 223/223L - Pastures and Forage Systems (3/1)
- PLT 231/231L - Basic Soil Science (3/1)
- PLT 331/331L - Weeds and Weed Control (3/1)

* If student is NOT looking to teach high school agriculture, consult with the AGS advisor to discuss courses that can be taken to replace course.

Total Units 70

Elective Core Courses

Mechanized Agriculture: 14 units
(See advisor for alternative course credit from Community College)

- PLT 202/202L - Subtropical Fruits (3/1) (Lab Component Only)
- PLT 211/211L - Landscape Drafting and Design (3/1)
- PLT 232 - Irrigation and Water Management (4)
- PLT 240/240L - Turfgrass Management (3/1)
- PLT 245/245L - General Surveying (2/1)
- PLT 251 - Sprinkler Irrigation (4)
- PLT 302 - Technology Innovations in Plant Science (4)
- PLT 340/340L - Drip Irrigation (2/1)
- PLT 434/434L - Golf Course Management (3/1)

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Elective Core Courses Con't.

Plant Science: 11 units
(5 units minimum upper division)

- PLT 132/132L - Plant Propagation (3/1)
- PLT 133/133L - Agricultural Cropping Systems (3/1)
- PLT 203/203L - Pomology (3/1)
- PLT 214 - History of Garden Art (4)
- PLT 222 - Culinary Produce Technology (4)
- PLT 233/233L - Introduction to Arthropods (3/1)
- PLT 300 - Insects and Civilization (4)
- PLT 303 - Pesticide and Hazardous Material Laws (3)
- PLT 311 - Plants and Civilization (4)
- PLT 321/321L - Crop Quality and Utilization (3/1)
- PLT 332/332L - Soil Fertility and Fertilizers (3/1)
- PLT 333 - Integrated Pest Management (4)
- PLT 336/336L - Bee Science (2/1)
- PLT 351/351L - Postharvest Physiology (3/1)
- PLT 416/416L - Landscape Contracting and Estimating (3/1)
- PLT 443/443L - Landscape Management Problem-Solving (3)
- PLT 499/499A/499L - Special Topics for Upper Division Students (1-4/1-4/1-4)
(Lecture and Activity Component Only)

Total Units 25

Required Support Courses

- KIN 441 - School Health Education (3) *
- PHY 102 - Fundamentals of Physics (4)

The following major support courses should be used to satisfy the indicated GE requirement.

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

- CHM 121 - General Chemistry (3) (B1) and
- CHM 121L - General Chemistry Laboratory (1) (B3)

- BIO 115/115A/115L - Basic Biology (3/1/1) (B2, B3)
- AG 401 - Ethical Issues in Food, Agricultural, and Apparel Industries (4) (D4)

* If student is NOT looking to teach high school agriculture, consult with the AGS advisor to discuss courses that can be taken to replace course.

Total Units 20

Unrestricted Electives

Select a sufficient number of courses so that the total from "Required Support", "GE", and "Unrestricted Electives" is at least 85 units.

Total Units 0-9

Interdisciplinary General Education

See Interdisciplinary General Education Courses on the back of the Curriculum Sheet.

Total Units 32

General Education Requirements

Area A Communication & Critical Thinking (12 units)

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

Area B Mathematics & Natural Sciences (16 units)

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

Area C Humanities (16 units)

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

Area D Social Sciences (20 units)

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 units)

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.

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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.

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