

BS AGRICULTURAL AND ENVIRONMENTAL PLANT SCIENCES

2019-2020

updated
04.02.19

Units Required 180

NOTE: This document can be used as a compact display of courses and other curricular requirements at the time of publication of the 2019-2020 catalog. The Degree Progress Report must be used to track students' progress in all degree requirements, throughout their Cal Poly career.

Note: No major, support or concentration courses may be selected as credit/no credit.

MAJOR COURSES (87-88)	<i>Units</i>
AEPS 101 Orient to Hort & Crop Sci	1
AEPS 120 Prin of Hort & Crop Sci	4
AEPS 124 Plant Propagation	4
AEPS 304 Plant Breeding	4
AEPS 313 Ag Entomology	4
AEPS 321 Weed Biology & Mgmt	4
BOT/AEPS 323 Plant Pathology	4
AEPS 351 Exper Tech & Analy	4
AEPS 410 Crop Physiology	4
AEPS 461 Senior Project I	2
AEPS 462 Senior Project II	2
BOT 121 Gen Bot (B2 & B4) ¹	4
SS 120 Intro Soil Science	4
Concentration courses (<i>see reverse</i>)	42-43

SUPPORT COURSES (37)

AGB 214 or BUS 212 Finan Acct	4
BRAE 340 Irrigation Water Mgmt (B7) ¹	4
CHEM 127 Gen Chem for Ag and Life Sci I (B3 & B4) ¹	4
CHEM 128 Gen Chem for Ag and Life Sci II	4
CHEM 312 Surv of Organic Chem	5
MATH 118 Precalculus Algebra (B1) ¹	4
SPAN 101 or SPAN 102 or SPAN 103; or SPAN 111 (USCP)	4
SS 221 Soil Health & Plant Nutr	4
STAT 218 Applied Stats Life Sciences (B1) ¹	4

GENERAL EDUCATION (GE)

52

72 units required, 20 of which are in Major and/or Support

Minimum of 12 units required at the 300 level.

Area A Communication

12

- A1 Expository Writing 4
- A2 Oral Communication 4
- A3 Reasoning, Argumentation & Writing 4

Area B Math, Science, and Quantitative Reasoning

20 units are listed in Major or Support¹

Area C Arts and Humanities

20

- C1 Literature 4
- C2 Philosophy 4
- C3 Fine/Performing Arts 4
- C4 Upper-division elective 4
- C1-C5 Elective 4

Area D Society and the Individual

16

- D1 The American Experience (40404) 4
- D2 Political Economy 4
- D3 Comparative Social Institutions 4
- D5 Upper-division elective 4

Area E Lifelong Learning and Self-Development

4

(formerly Area D4)

FREE ELECTIVES 3-4

¹ Required in Major or Support; also satisfies GE

OTHER DEGREE REQUIREMENTS:

- Cal Poly, Higher Ed, and Major GPA must all be at least 2.00
 - For students admitted Fall 2016 and after, a grade of C- or higher is required in GE A1, A2, A3, and one GE B1 course
- All students must complete:
- United States Cultural Pluralism Requirement
 - Graduation Writing Requirement
 - 60 units Upper Division (any 300-400 level classes)
 - Upper Division units in the Major: 27
 - Residency Requirements: See Degree Progress Report for details

CONCENTRATIONS (select one)**Fruit & Crop Science (42)***Units*

AEPS 132 Pomology I	4
AEPS 133 Pomology II	4
AEPS 190 CA Vegetable Prod	4
AEPS 203 or 205 or AEPS 333	2
AEPS/BRAE 244 Precision Farming	4
AEPS 421 Postharvest Tech of Hort. Crops	4
Approved electives (at least 11 units must be upper-division) ² Select from the following: AEPS 150, 175, 240, 327, 334, 339 ³ , 340, 355, 406, 420, 423, 427, 431, 441, 445, 450; AEPS/WVIT 414; AG/ASCI 360; BRAE 405, 438, 440; FSN 275; SS 321, 322; WVIT/AEPS 331; WVIT 233, 333	20

Environmental Horticultural Science (43)*Units*

AEPS 123 Landscape Instal & Maint	4
AEPS 127 Horticulture & Landscape Design	4
AEPS 233 Plant Materials I	4
AEPS 234 Plant Materials II	4
AEPS 245 Horticultural Prod Tech	4
AEPS 350 Abiotic Plant Problems	3
AEPS 427 Disease & Pest Control Syst	4
Approved electives (at least 8 units must be upper-division) ² Select from the following: AEPS 126, 212 or 312, 215, 225, 301, 327, 332, 333, 339 ³ , 340, 341, 342, 343, 381, 421, 424, 425, 432, 434, 435, 437, 441; BRAE 337; BUS 346	16

Plant Protection Science (42)*Units*

AEPS 203/205/212/312/333 Enterprise	2
AEPS 327 Vertebrate Pest Mgmt	4
AEPS 406 Adv Weed Mgmt	4
AEPS 427 Disease & Pest Control Syst	4
AEPS 431 Insect Pest Mgmt	4
AEPS 441 Biological Control for Pest Mgmt	4
Approved electives ² Select from the following: AEPS 132, 133, 150, 175, 190, 240, 245, 334, 339 ³ , 340, 341, 342, 343, 355, 420, 421, 445, 450; AEPS/BRAE 244; CHEM 313; FSN 275; MCRO 221; WVIT 233, 332, 333; WVIT/AEPS 331	20

² Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals

³ A maximum of 4 units of AEPS 339 may count towards approved electives.