

BS AGRICULTURAL AND ENVIRONMENTAL PLANT SCIENCE

2013-2015

updated
04.16.13

Units Required 180

NOTE: This document can be used as a compact display of courses and other curricular requirements. 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 (88)	Units
HCS 110 Orient to Hort & Crop Sci	2
HCS 120 Prin of Hort & Crop Sci	4
HCS 124 Plant Propagation	4
HCS 304 Plant Breeding	4
HCS 327 Abiotic Plant Problems	3
HCS 410 Crop Physiology	4
HCS 461 Senior Project I	2
HCS 462 Senior Project II	2
HCS 463 Senior Seminar	1
PPSC 311 Ag Entomology	4
PPSC 321 Weed Biology & Mgmt	4
BOT 121 General Botany (B2 & B4) ¹	4
BOT 323 Plant Pathology	4
SS 121 Intro Soil Science	4
Concentration courses (see reverse)	42

GENERAL EDUCATION (GE)	Units
72 units required, 24 of which are in Major or Support	48
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 Science and Mathematics	0
16 units are listed in Major or Support ¹	
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/E Society and the Individual	16
D1 The American Experience (40404)	4
D2 Political Economy (4 units in Support) ¹	
D3 Comparative Social Institutions	4
D4 Self Development (CSU Area E)	4
D5 Upper-division elective	4
Area F Technology (upper div) (4 units in Support) ¹	
FREE ELECTIVES	6

¹ Required in Major or Support; also satisfies GE

SUPPORT COURSES (38)

BRAE 340 Irrigation Water Mgmt (Area F) ¹	4
BUS 212 Financial Acct for Nonbusiness Majors	4
CHEM 111 Surv of Chemistry (B3 & B4) ¹	5
CHEM 312 Surv of Organic Chemistry	5
ECON 201 Surv of Economics (D2) ¹	4
MATH 118 Precalculus Algebra (B1) ¹	4
SPAN 111 Elem. Hisp Lang & Culture (USCP)	4
SS 221 Fertilizers & Plant Nutrition	4
STAT 218 Applied Stats Life Sciences (B1) ¹	4

OTHER DEGREE REQUIREMENTS:

- Cal Poly, Higher Ed, and Major GPA must all be at least 2.00

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*)

Crop Science (42)	<i>Units</i>
VGSC 190 CA Vegetable Production	4
VGSC 202 or CRSC 203 Enterprise	2
HCS 231 Comm Seed Production	4
CRSC 411 Experimental Tech & Analysis	4
HCS 421 Postharvest Tech of Hort. Crops	4
CRSC 445 Cropping Systems	4
Approved electives ² <i>Select from:</i>	20
AG 315, 360; AGB 301, 310, 312, 321, 401; CRSC 123, 244, 333; CRSC or VGSC 402; FRSC 132, 231, 331, 342; HCS 200 ³ , 339 ³ , 340, 400 ³ ; PPSC 327, 405, 421, 427, 431, 441; SS 321, 322; VGSC 423	

Fruit Science (42)	<i>Units</i>
FRSC 123 Beekeeping	3
FRSC 132 Pomology I	4
FRSC 133 Pomology II	4
FRSC 202 Enterprise Project	2
FRSC 231 Viticulture I	4
FRSC 331 Viticulture II	4
FRSC 342 Citrus & Avocado Fruit Production	4
CRSC 411 Experimental Tech & Analysis	4
HCS 421 Postharvest Tech of Hort. Crops	4
Approved electives ² <i>Select from:</i>	9
AGB 260, 301, 310, 315, 321, 401; CRSC 333, 445; CRSC or FRSC or VGSC 402; FRSC 415; HCS 200 ³ , 339 ³ , 400 ³ ; PPSC 327, 405, 414, 421, 431, 441; SS 321, 322; VGSC 190, 423; WVIT 433	

Greenhouse & Nursery Plant Production (42)	<i>Units</i>
EHS 127 Horticulture & Landscape Design	4
EHS 210 or EHS 310 ⁴ Enterprise Proj I or II	2
EHS 231 Plant Materials I	4
EHS 232 Plant Materials II	4
EHS 245 Horticultural Production Tech	3
EHS 315 Herbaceous & Specialty Plant Prod	4
EHS 342 Potted Plant Production	4
HCS 340 Prin of Greenhouse Environment	4
PPSC 427 Disease & Pest Control Systems	4
Approved electives ² <i>Select from:</i>	9
AGB 401; BUS 310, 346, 409; CRSC 333; EHS 210 ⁴ or 310 ⁴ ; EHS 324, 341, 381, 382, 402, 424; HCS 200 ³ , 339 ³ , 400 ³ , 421; PPSC 327, 405, 421, 431, 441	

Plant Protection Science (42)	<i>Units</i>
CRSC 411 Experimental Tech & Analysis	4
<i>Select from:</i> FRSC 202 or VGSC 202; CRSC, FRSC, or VGSC 402; EHS 210 or EHS 310	2
PPSC 327 Vertebrate Pest Mgmt	4
PPSC 405 Advanced Weed Mgmt	4
PPSC 421 Plant-Pest Interactions	4
PPSC 431 Insect Pest Mgmt	4
PPSC 441 Biological Control for Pest Mgmt	4
Approved electives ² <i>Select from:</i>	16
AG 315; BIO 114; BOT 326; BRAE 331; CHEM 313; CRSC 123, 244, 333, 445; EHS 245, 315, 341, 342, 343; FRSC 132, 133, 231, 331, 342; HCS 200 ³ , 231, 339 ³ , 340, 400 ³ , 421; MCRO 221, 436; PPSC 427; SS 322, 422; VGSC 190	

Public Horticulture (42)	<i>Units</i>
EHS 123 Landscape Installation & Maint	4
EHS 127 Hort & Landscape Design	4
EHS 231 Plant Materials I	4
EHS 232 Plant Materials II ⁴	4
EHS 343 Turfgrass Management	4
EHS 437 Park & Public Space Mgmt	4
PPSC 427 Disease & Pest Control Systems	4
Approved electives ² <i>Select from:</i>	14
BRAE 331, 337; EHS 215, 225, 301, 324, 381, 382, 402, 421, 427, 434; HCS 200 ³ , 339 ³ , 340, 400 ³ ; PPSC 405, 431, 441	
May select up to two of the following: BOT 313, 326; SS 433	

Sustainable Landscape Mgmt & Design (42)	<i>Units</i>
EHS 123 Landscape Installation & Maint	4
EHS 126 Landscape Construction	3
EHS 127 Hort & Landscape Design	4
EHS 231 Plant Materials I	4
EHS 232 Plant Materials II	4
EHS 331 Landscape Contracting	4
EHS 343 Turfgrass Management	4
Approved electives ² <i>Select from:</i>	15
AGB 401; BRAE 331, 337; EHS 301, 324, 381, 382, 421, 427, 433, 434, 437; HCS 200 ³ , 339 ³ , 400 ³ ; PPSC 327, 405, 421, 431, 441	

Turfgrass & Sports Field Management (42)	<i>Units</i>
EHS 123 Landscape Installation & Maint	4
EHS 126 Landscape Construction	3
EHS 231 or EHS 232 Plant Materials I or II	4
EHS 343 Turfgrass Mgmt	4
EHS 430 Sports Field Construction & Mgmt	4
EHS 433 Golf Course Mgmt Operations	4
HCS 339 Internship in Hort & Crop Science	4
PPSC 427 Disease & Pest Control Systems	4
Approved electives ² <i>Select from:</i>	11
BOT 326; BRAE 331, 337; CRSC 411; EHS 301, 324, 381, 421, 434, 437; HCS 200 ³ , 400 ³ ; PPSC 327, 405, 431; SS 322	

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 HCS 200 and HCS 400 up to 2 units each; HCS 339 up to 4 units

⁴ The course selected to satisfy this requirement may not be taken again for credit as an approved elective