

Note: No Major, Support or Concentration courses may be selected as credit/no credit.

MAJOR COURSES		
PLSC 101	Orientation to Horticulture and Crop Science	1
PLSC 120	Principles of Horticulture and Crop Science	4
PLSC 124	Plant Propagation	4
PLSC 304	Introduction to Plant Breeding	4
PLSC 313	Agricultural Entomology	4
PLSC 321	Weed Biology and Management	4
PLSC/BOT 323	Plant Pathology	4
PLSC 350	Abiotic Plant Problems	4
PLSC 351	Experimental Techniques and Analysis	4
PLSC 410	Crop Physiology	4
PLSC 461	Senior Project I	2
PLSC 462	Senior Project II	2
BOT 121	General Botany (B2 & B3) ¹	4
SS 120	Introductory Soil Science	4
Concentration courses (see below)		46
Total Major Units		95

SUPPORT COURSES		
BRAE 340	Irrigation Water Management (Upper-Division B) ¹	4
CHEM 127	Gen CHEM for Ag & Life Science I (B1 & B3) ¹	4
CHEM 128	Gen CHEM for Ag & Life Science II	4
MATH 118	Precalculus Algebra (B4) ¹	4
Select from the following:		4
SPAN 101	Elementary Spanish I	
SPAN 102	Elementary Spanish II	
SPAN 103	Elementary Spanish III	
SPAN 111	Elementary Hispanic Language and Culture (USCP)	
SS 221	Soil Health and Plant Nutrition	4
STAT 218	Applied Statistics for the Life Sciences (GE Electives) ¹	4
Total Support Units		28

GENERAL EDUCATION		
Area A English Language Communication and Critical Thinking		
A1	Oral Communication	4
A2	Written Communication	4
A3	Critical Thinking	4
Area B Scientific Inquiry and Quantitative Reasoning		
B1	Physical Science (4 units in Support) ¹	0
B2	Life Science (4 units in Major) ¹	0
B3	One lab taken with either a B1 or B2 course	
B4	Mathematics/Quantitative Reasoning (4 units in Support) ¹	0
Upper-Division B (4 units in Support) ¹		0
Area C Arts and Humanities		
Lower-division courses in Area C must come from three different subject prefixes.		
C1	Arts	4
C2	Humanities	4
Lower-Division C Elective - Select a course from either C1 or C2		4
Upper-Division C		4
Area D Social Sciences - Select courses in Area D from at least two different prefixes		
D1	American Institutions (Title 5, Section 40404 Requirement)	4
D2	Lower-Division D	4
Upper-Division D		4
Area E Lifelong Learning and Self-Development		
Lower-Division E		4
Area F Ethnic Studies		
F	Ethnic Studies	4
GE Electives in Areas B, C, and D		
Select courses from two different areas; may be lower-division or upper-division courses.		
GE Electives (4 units B in Support) ¹		0
GE Electives (Area C or D)		4
Total GE Units		52
FREE ELECTIVES		5
TOTAL DEGREE UNITS		180

FOOTNOTES

¹ Required in Major or Support; also satisfies General Education (GE) requirement.



Environmental Horticulture Science Concentration		
PLSC 123	Landscape Installation and Maintenance	4
PLSC 127	Horticulture and Landscape Design	4
PLSC 233	Plant Materials I	4
PLSC 234	Plant Materials II	4
PLSC 245	Horticultural Production Techniques	4
PLSC 427	Disease and Pest Control Systems for Ornamental Plants	4
Approved Electives (at least 12 units must be upper-division) ¹		
Select from the following:		22
AGB 212	Agricultural Economics	
AGB 214	Agribusiness Financial Accounting	
or BUS 212	Financial Accounting for Nonbusiness Majors	
BRAE 337	Landscape Irrigation	
BUS 346	Principles of Marketing	
PLSC 126	Landscape Construction	
PLSC 200	Special Problems for Undergraduates ²	
PLSC 212	Environmental Horticulture Enterprise Project I	
or PLSC 312	Environmental Horticulture Enterprise Project II	
PLSC 215	Floral Design I	
PLSC 225	Floral Design II	
PLSC 327	Vertebrate Pest Management	
PLSC 333	Greenhouse Vegetable Production	
PLSC 339	Internship in Horticulture and Crop Science ³	
PLSC 340	Principles of Greenhouse Environment	
PLSC 341	Cut Flower Production	
PLSC 342	Potted Plant Production	
PLSC 343	Turfgrass Management	
PLSC 381	Native Plants for California Landscapes	
PLSC 400	Special Problems for Adv Undergraduates ²	
PLSC 421	Postharvest Technology of Horticultural Crops	
PLSC 424	Nursery Crop Production	
PLSC 425	Arboriculture	
PLSC 428	Advances in Plant Pathology	
PLSC 441	Biological Control for Pest Management	
Total Units		46

Footnotes for Both Concentrations

1 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.

2 A maximum of 2 units of PLSC 200 and/or a maximum of 2 units of PLSC 400 may count towards Approved Electives.

3 A maximum of 4 units of PLSC 339 may count towards Approved Electives.

Fruit and Crop Science Concentration		
PLSC 132	Pomology I	4
PLSC 133	Pomology II	4
PLSC 190	California Vegetable Production	4
PLSC 203	Organic Enterprise Project	2
or PLSC 205	Orchard and Vegetable Enterprise Project	
or PLSC 333	Greenhouse Vegetable Production	
PLSC/BRAE 244	Precision Farming	4
PLSC 421	Postharvest Technology of Horticultural Crops	4
Approved Electives (at least 12 units must be upper-division) ¹		
Select from the following:		24
AG/ASCI 360	Holistic Management	
AGB 212	Agricultural Economics	
AGB 214	Agribusiness Financial Accounting	
or BUS 212	Financial Accounting for Nonbusiness Majors	
BRAE 405	Chemigation	
BRAE 438	Drip/Micro Irrigation	
BRAE 440	Agricultural Irrigation Systems	
FSN 275	Elements of Food Safety	
PLSC 150	Forage Crops	
PLSC 175	Beekeeping	
PLSC 200	Special Problems for Undergraduates ²	
PLSC 240	Commercial Seed Production	
PLSC 327	Vertebrate Pest Management	
PLSC/WVIT 331	Advanced Viticulture - Fall	
PLSC 336/	Advanced Viticulture - Winter	
WVIT 332		
PLSC 337/	Advanced Viticulture - Spring	
WVIT 333		
PLSC 334	Greenhouse Vegetable Enterprise Project	
PLSC 339	Internship in Horticulture and Crop Science ³	
PLSC 340	Principles of Greenhouse Environment	
PLSC 355	Citrus and Avocado Fruit Production	
PLSC 360	Nut Crops Production	
PLSC 400	Special Problems for Advanced Undergraduates ²	
PLSC 406	Advanced Weed Management	
PLSC/WVIT 414	Grape Pest Management	
PLSC 420	Organic Crop Production Systems	
PLSC 427	Disease and Pest Control Systems for Ornamental Plants	
PLSC 428	Advances in Plant Pathology	
PLSC 431	Insect Pest Management	
PLSC 441	Biological Control for Pest Management	
PLSC 445	Cropping Systems	
PLSC 450	Current Issues in the Strawberry Industry	
SS 321	Soil Morphology	
SS 322	Soil Plant Relationships	
WVIT 233/	Basic Viticulture	
PLSC 232		
Total Units		46



Plant Protection Science Concentration		
PLSC 203 or PLSC 205 or PLSC 212 or PLSC 312 or PLSC 333	Organic Enterprise Project Orchard and Vegetable Enterprise Project Environmental Horticulture Enterprise Project I Environmental Horticulture Enterprise Project II Greenhouse Vegetable Production	2
PLSC 327	Vertebrate Pest Management	4
PLSC 406	Advanced Weed Management	4
PLSC 427	Disease and Pest Control Systems for Ornamental Plants	4
PLSC 428	Advances in Plant Pathology	4
PLSC 431	Insect Pest Management	4
PLSC 441	Biological Control for Pest Management	4
Approved Electives ¹		
Select from the following:		20
AGB 212	Agricultural Economics	
AGB 214 or BUS 212	Agribusiness Financial Accounting Financial Accounting for Nonbusiness Majors	
CHEM 314	Biochemistry: Fundamentals and Applications	
FSN 275	Elements of Food Safety	
MCRO 221	Microbiology	
PLSC 132	Pomology I	
PLSC 133	Pomology II	
PLSC 150	Forage Crops	
PLSC 175	Beekeeping	
PLSC 190	California Vegetable Production	
PLSC 200	Special Problems for Undergraduates ²	
PLSC 240	Commercial Seed Production	
PLSC/BRAE 244	Precision Farming	
PLSC 245	Horticultural Production Techniques	
WVIT/PLSC 331	Advanced Viticulture - Fall	
PLSC 336/ WVIT 332	Advanced Viticulture - Winter	
PLSC 337/ WVIT 333	Advanced Viticulture - Spring	
PLSC 334	Greenhouse Vegetable Enterprise Project	
PLSC 339	Internship in Horticulture and Crop Science ³	
PLSC 340	Principles of Greenhouse Environment	
PLSC 341	Cut Flower Production	
PLSC 342	Potted Plant Production	
PLSC 343	Turfgrass Management	
PLSC 355	Citrus and Avocado Fruit Production	
PLSC 360	Nut Crops Production	
PLSC 400	Special Problems for Advanced Undergraduates ²	
PLSC 420	Organic Crop Production Systems	
PLSC 421	Postharvest Technology of Horticultural Crops	
PLSC 445	Cropping Systems	
PLSC 450	Current Issues in the Strawberry Industry	
WVIT 233/ PLSC 232	Basic Viticulture	
Total Units		46

Footnotes for Plant Protection Science Concentration

¹ 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.

² A maximum of 2 units of PLSC 200 and/or a maximum of 2 units of PLSC 400 may count towards Approved Electives.

³ A maximum of 4 units of PLSC 339 may count towards Approved Electives.