

PLANT PROTECTION MINOR

Offered at: San Luis Obispo Campus

This program emphasizes both plant protection and plant production. Within the plant protection field of study, the student is exposed to a broad range of pest management subjects including entomology, plant pathology, and weed control. Within the production area the student may emphasize fruit production, crop production, ornamental horticulture, or natural resource management. Not open to Plant Sciences majors.

Program Learning Objectives

1. Demonstrate technical competence in Plant Protection Science by identifying the majority of globally important food crops and demonstrating applications of theoretical sciences to their production, maintenance and post-harvest handling.
2. Evaluate and adapt basic cultural practices, economic uses, and environmental interactions in the production of food, and fiber plants.
3. Assess and implement appropriate sustainable growing based on region and microclimate, especially as they relate to water, soil and other natural resources.
4. Practice a range of complex problem-solving exercises and excel in diagnosing and resolving plant health issues in outdoor and enclosed plant production systems.

Minor Requirements and Curriculum

The minor must be completed prior to, or at the same time as, the requirements for the bachelor's degree. A major and a minor may not be taken in the same degree program, and a minor is not required for a degree. Requirements for the minor include:

- At least half of the units must be from upper-division courses (3000-4000 level).
- At least half of the units must be taken at Cal Poly (in residence).
- No more than one-third of the units will be taken with credit-no credit grading (CR/NC), not counting courses with mandatory CR/NC. Departments may further limit CR/NC grading if desired.
- A minimum 2.0 GPA is required in all units counted for completion of the minor.

Code	Title	Units
REQUIRED COURSES		
PLSC 1120 & 1120L	Principles of Plant Sciences and Principles of Plant Sciences Lab	3
PLSC 3313	Agricultural Entomology	3
PLSC 3321	Weed Biology and Management	4
PLSC 3323	Plant Pathology	3
Approved Electives		
Agricultural Production		
Select from the following: ¹		3-4
PLSC 1123	Introduction to Sustainable Site Horticulture	
PLSC 1124	Plant Propagation	
PLSC 1132	Introduction to Fruit Crop Production	
PLSC 1150	California Row Crop Production	
PLSC 3301	Horticultural Production Techniques	
PLSC 3340	Principles of Greenhouse Environments	
PLSC 3360	Advanced Fruit Crop Production	
PLSC/SS 3444	Climate Smart Agriculture	
PLSC 4420	Organic Crop Production Systems	
NR 1141	Introduction to Forest Ecosystem Management	
WVIT 2233/PLSC 2232	Basic Viticulture	
Enterprise-Related Course		
Select from the following: ¹		2
PLSC 2205	Orchard and Vegetable Enterprise Project	
PLSC 2212	Environmental Horticulture Enterprise Project	
PLSC 3333	Greenhouse Vegetable Production	
Pest Management		
Select from the following: ¹		3-4

PLSC 4406	Advanced Weed Management
PLSC 4427	Disease and Pest Control Systems for Ornamental Plants
PLSC 4428	Advanced Plant Pathology
PLSC 4431	Integrated Pest Management for Insects
PLSC 4441	Biological Control for Pest Management
WVIT 4414	Grape Pest Management

Total Units**21**

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.