

PLANT PATHOLOGY OPTION

This option is offered within the following major(s):

- Botany - College of Agricultural Sciences (<http://catalog.oregonstate.edu/college-departments/agricultural-sciences/botany-plant-pathology/botany-bs-hbs>)

The Plant Pathology option (PP) combines plant pathology, microbiology, mycology and entomology to provide botany students with necessary additional background to pursue careers in this important field. The courses are drawn from upper-division undergraduate offerings in botany, microbiology, entomology and forestry (FES). To encourage students in the option to learn actively and obtain practical skills, up to 3 credits of approved experiential learning can be applied to the option. The PP option credits are drawn from approved elective course credits. The core course requirements of the BOT major are not changed by doing the option, and no additional course credits are required to complete it.

The total requirements of the Botany Core are shown in the university catalog. The BOT core includes courses in plant structure, ecology, physiology, evolution, systematics, statistics, and genomics that form the botanical background for this field. Outside of the core courses, BOT majors have 44–49 elective credits that can be chosen from a group of approved courses. Up to 16 credits of the PP option can be drawn from the approved electives. The 5 credits of mycology (BOT 461 MYCOLOGY) also fulfill the BOT requirement for a non-vascular plant course.

Code	Title	Hours
A. Required Specific Courses		
BOT 350	INTRODUCTORY PLANT PATHOLOGY	4
BOT 461	MYCOLOGY	5
MB 302	GENERAL MICROBIOLOGY	3
MB 303	GENERAL MICROBIOLOGY LABORATORY	2
B. Select at least 7 additional credits from the following:		
BOT 413/FOR 413	FOREST PATHOLOGY	7
BOT 458	ECOSYSTEMS GENOMICS	
ENT 311	INTRODUCTION TO INSECT PEST MANAGEMENT	
FES 412	FOREST ENTOMOLOGY	
MB 310	BACTERIAL MOLECULAR GENETICS	
Up to 3 credits of approved Experiential Learning		
Other courses with advisor approval		
Total Hours		21

Option Code: 933