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.

**Option Code: 933**

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 4 credits of mycology (BOT 461) also fulfill the BOT requirement for a non-vascular plant course.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BOT 350</td>
<td>INTRODUCTORY PLANT PATHOLOGY</td>
<td>4</td>
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<tr>
<td>BOT 461</td>
<td>MYCOLOGY</td>
<td>4</td>
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<tr>
<td>MB 302</td>
<td>GENERAL MICROBIOLOGY</td>
<td>3</td>
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<tr>
<td>MB 303</td>
<td>GENERAL MICROBIOLOGY LABORATORY</td>
<td>2</td>
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Select at least 8 additional credits from the following:

- BOT 413/FOR 413 FOREST PATHOLOGY
- 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 Credits 21

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