

PROGRAM FOR BOTANY POST BACCS
DEPARTMENT OF BOTANY & PLANT PATHOLOGY
OREGON STATE UNIVERSITY

NAME----- DATE _____

Checklist of Required Courses

DEPARTMENTAL REQUIREMENTS

FOUNDATIONAL SCIENCES (46-50 credits)

Biology (19-20 credits)

- BI 204(4) BI 205 (4) BI 206 (4)
 BB 314 (4)
 BI 311 (4) or DPBG 430 (3)

Chemistry (27-30 credits)

- CH 121(5) CH 122 (5) CH 123 (5)
 CH 331 (4) CH 332 (4)
 BB 350 (4) or BB 450 (4) & BB 451 (3)

QUANTITATIVE SKILLS & ANALYSIS (19-21 credits)

Statistics

- ST 351 (4)

Mathematics - a minimum of 8 credits with a final math competency of MTH 112 (at a minimum) chosen from the following courses:

- MTH 111 (4) MTH 112 (4) MTH 231 (4)
 MTH 241 (4) MTH 245 (4) MTH 251 (4)
 MTH 252 (4)

Two additional courses in MTH, ST, CS, or PH chosen from the list above or from the following list (pre-requisites shown in brackets):

- PH 201 (5) [MTH 112]
 GEOG 360 (4) PH 265 (3) [MTH 251]
 CS 161 (4) [JAVA , MTH 112] CS 162 (4) (JAVA, MTH 231)
 ST352(4)[ST351] ST 411 (4)[ST351]
 GEOG 361 (4) [GEOG 360, MTH 112, ST 201 or 351]

Other courses may be used if approved by advisor.

Mathematics and subsequent analysis courses are to be determined based on math placement tests and consultation with your academic advisor. MTH 251 & 252 are strongly recommended for students intending to do graduate work.

PLANT BIOLOGY CORE COURSES (28 credits)

- BOT 220 (4) Introduction to Plant Biology
 BOT 313 (4) Plant Structure
 BOT 321 (4) Plant Systematics
 BOT 331 (4) Plant Physiology
 BOT 332 (3) Laboratory Techniques in Plant Biology
 BOT 341 (4) Plant Ecology - or equivalent upper division ecology course with advisor approval
 BOT 499 (1) Senior Seminar [senior year, following Experiential Learning activity)

BOT465 (4) Lichenology

Experiential Learning (Exp. Learning) should be completed before the 4th year.

Customizable Option (21 credits)

This option is for students who have well-defined educational goals and distinctive career aspirations that do not fit easily within the other pre-determined options. The customizable option does not alter any of the other course and degree requirements within the Botany major. Like other options, the customizable option courses are filed under MyDegrees and constitute a contract between the student and the department toward finishing the BOT degree.

Requirements:

- at least 15 credits from option are upper division
- all program courses must be taken for a grade (no S/U)
- courses may not double count with the BOT degree core requirements except for a WIC course or an "additional quantitative skills" course a maximum of 3 credits of Experiential Learning may be applied
- up to 9 transfer credits may be applied w/advisor approval
- approved course of study must be filed under MyDegrees

Credit Distribution:

Foundational Sciences	46-50
Quantitative Skills/Analysis	19-21
Plant Biology Core	28
<u>Transcript Visible Option</u>	<u>21</u>
Total Credits	114 - 120

BOT 410- Internship (number of credits is variable) can be taken if credits are wanted for off campus job experience involving plant biology. For students going to graduate school, it is recommended that MTH 251 & 252 and BB 450 & 451 be taken.

GRADUATION REQUIREMENTS CHECKLIST

The student has:

- a total of at least 114 credit hours.
- a minimum 2.0 GPA in each of the following:
 - All course work taken at OSU.
 - All required science courses (transfer and OSU) for the Botany Major.
- not taken any required science courses for an S/U grade.
- taken the last 45 credits at OSU (or 45 of the last 60 credits, if authorized by the College of Agricultural Sciences).