

PLANT BIOLOGY: MAJORS

First & Second Year:

First Year (34 credits)	<input type="checkbox"/> BIOL 112 <input type="checkbox"/> BIOL 121 & 140	<input type="checkbox"/> CHEM 121 & 123 OR <input type="checkbox"/> CHEM 111 & 113	<input type="checkbox"/> PHYS 101 or 121 <input type="checkbox"/> Electives (3 credits)	Two of MATH: <input type="checkbox"/> 100, 102, 104, 120, 180, or 184 <input type="checkbox"/> 101, 103, 105, 121	<input type="checkbox"/> ENGL (6 credits of 100 level English) - ENGL 112 recommended
Second Year (31 to 32 credits)	<input type="checkbox"/> BIOL 200 <input type="checkbox"/> BIOL 201	<input type="checkbox"/> BIOL 209 <input type="checkbox"/> BIOL 210	<input type="checkbox"/> CHEM 233 <input type="checkbox"/> CHEM 235 <input type="checkbox"/> CHEM 205	<input type="checkbox"/> Electives (6 credits) -BIOL 204 & 205 recommended	<input type="checkbox"/> Arts Electives (6 credits)

Registration Notes for 1st & 2nd year Biology:

1. BIOL 112,121, and 140 are prerequisites to the Major or Honours program options in the Biology Program. Students who have completed Biology 12 may enter into these courses directly. Students with Biology 11 may enter BIOL 112 if they have Chem 12. BIOL 112 is acceptable as the sole prerequisite for BIOL 121. Students without high school biology must take BIOL 111 before registering in BIOL 112,121, and 140.
2. Students without Physics 12 must replace elective with PHYS 100 (prior to PHYS 101).
3. Three credits of first-year English courses may be deferred to second year.

Third & Fourth Year:

Third Year (31 credits)	<input type="checkbox"/> BIOL 351/352	<input type="checkbox"/> BIOL 334 <input type="checkbox"/> BIOL 335 or 336	<input type="checkbox"/> BIOL 300 <input type="checkbox"/> BIOL 324	<input type="checkbox"/> BIOL 302 (3) <input type="checkbox"/> BIOL 303 (3)	<input type="checkbox"/> Arts Electives (6 credits)
Fourth Year (30 credits)	<input type="checkbox"/> Plant Biology Electives 300 level or higher (6 Credits)	<input type="checkbox"/> Plant Biology Electives 300 level or higher (6 Credits)	<input type="checkbox"/> Plant Biology Electives (3) <input type="checkbox"/> Breadth Elective (3 credits)	<input type="checkbox"/> Breadth Electives (6 credits)	<input type="checkbox"/> Electives (6 credits)

Registration Notes for 3rd & 4th year Biology:

1. Students **must take** their physiology course (BIOL 350,351/352, or 353) **in third year**. If other constraints require that you take this course in 4th year you need the permission of your program advisor and let the Biology Office know.
2. Students are encouraged to undertake 3 to 6 credits of **Directed Studies** (BIOL 448). Three credit of BIOL 448 may be counted as a Biology Program Elective with the permission of either their supervisor (if in Botany/Zoology) or a Plant Biology Program Advisor.
3. Breadth Electives – 9 credits must be in Arts or in Science outside the field of major
4. Plant Biology Electives ~ See list on reverse side

For further information please see the Biology Program website <http://www.zoology.ubc.ca/bpg/index.html> or visit the Biology Program Office Rm. 2521!!!

Plant Biology Program Electives

Some courses listed here may not be available in the current year. Please check the UBC Course Schedule website for current course availability <http://courses.students.ubc.ca!!!>

BIOL 301 - Biomathematics
BIOL 315 - Evolutionary Processes in Plants
BIOL 316 - Introductory Plant Pathology
BIOL 317 - Weed Science (AGRO 328)
BIOL 320 - Algae
BIOL 321 - Bryophytes
BIOL 322 - Ferns
BIOL 323 - Fungi
BIOL 330 - Cytology
BIOL 332 - Protists
BIOL 343 - Plants and People
BIOL 404 - Ecological Methodology
BIOL 406 - Plant Ecology I
BIOL 407 - Plant Ecology II
BIOL 412 - Phytogeography
BIOL 416 - Conservation Biology
BIOL 418 - Evolutionary Ecology
BIOL 429 - Algal Aquaculture (not offered 2004/05)
BIOL 433 - Plant Genetics
BIOL 434 - Population Genetics
BIOL 435 - Molecular Biology and Biochemistry of the Yeast *Saccharomyces*
BIOL 443 - Plant Breeding and Biotechnology
BIOL 444 - Techniques in Plant Molecular Biology
BIOL 445 - Darwin's Fishes
BIOL 446 - History of Biology
BIOL 448 - Directed Studies
BIOL 462 - Ecological Plant Biochemistry
MATH 361 - Introduction to Mathematical Biology
MATH 462 - Projects in Mathematical Biology
MRNE 420 - Marine Phycology
MRNE 430 - Marine Ecology
MRNE 450 - Principles of Aquaculture