

ECOLOGY AND ENVIRONMENTAL BIOLOGY: MAJORS

First & Second Year:

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|-----------------------------------|--|--|---|--|--|
| 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 | Two of: <input type="checkbox"/> BIOL 204 or 205 <input type="checkbox"/> BIOL 209 or 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, 209 or 210 recommended | <input type="checkbox"/> Arts Electives (6 credits) |

Registration Notes for 1st & 2nd year Biology:

- 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.
- Students without Physics 12 must replace elective with PHYS 100 (prior to PHYS 101).
- Three credits of first-year English courses may be deferred to second year.

Third & Fourth Year:

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| Third Year (31 credits) | One of BIOL: <input type="checkbox"/> 351 and 352 <input type="checkbox"/> 353 | <input type="checkbox"/> BIOL 334 <input type="checkbox"/> BIOL 335 or 336 | <input type="checkbox"/> BIOL 300 <input type="checkbox"/> Breadth Elective (3) | <input type="checkbox"/> BIOL 302 (3) <input type="checkbox"/> BIOL 303 (3) | <input type="checkbox"/> Electives (6 credits) |
| Fourth Year (30 credits) | <input type="checkbox"/> Ecology Electives 300 level or higher (6 Credits) | <input type="checkbox"/> Ecology Electives 300 level or higher (6 Credits) | <input type="checkbox"/> Ecology Electives 300 level or higher (6 Credits) | <input type="checkbox"/> Electives (6 credits) | <input type="checkbox"/> Breadth Electives (6 credits) |

Registration Notes for 3rd & 4th year Biology:

- 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.
- 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 Ecology & Environmental Biology Program Advisor.
- Breadth Electives – 9 credits must be in Arts or in Science outside the field of major
- Ecology 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!!!

Ecology & Environmental 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 305 - Biological Oceanography
BIOL 310 - Animal Behaviour
BIOL 320 - Algae
BIOL 321 - Bryophytes
BIOL 322 - Ferns
BIOL 323 - Fungi
BIOL 324 - Seed Plants
BIOL 326 - Invertebrates
BIOL 327 - Entomology
BIOL 328 - Parasitology
BIOL 332 - Protistology
BIOL 402 - Aquatic Ecology
BIOL 403 - Biological Oceanographic Methods (not given 2003/04)
BIOL 404 - Ecological Methodology
BIOL 405 - Marine Ecology
BIOL 406 - Plant Ecology I
BIOL 407 - Plant Ecology II
BIOL 408 - Applied Ecology
BIOL 409 - Field Course
BIOL 410 - Fish Shoaling
BIOL 411 - Insect Ecology
BIOL 412 - Phytogeography
BIOL 413 - Zoogeography
BIOL 415 - Plant Evolution
BIOL 416 - Conservation Biology
BIOL 418 - Evolutionary Ecology
BIOL 419 - Ecological Parasitology (not given 2003/04)
BIOL 427 - Vertebrate Zoology
BIOL 434 - Population Genetics
BIOL 445 - Darwin's Fishes
BIOL 448 - Directed Studies in Biology
BIOL 462 - Ecological Plant Biochemistry
BIOL 465 - Biology of Fishes
MATH 361 - Introduction of Mathematical Biology
MATH 462 - Projects in Mathematical Biology
MICB 300 - Microbial Diversity and Ecology
MRNE 430 - Marine Ecology
MRNE 435 - Biological Oceanography
EOSC 474 - Marine Pollution (OCGY 410)
EOSC 478 - Introduction to Fisheries Science (OCGY 420)