

BIOLOGY PROGRAM WORKSHEETS 2010-11
COMBINED MAJOR: COMPUTER SCIENCE AND BIOLOGY

*****Students must contact a Computer Science Advisor for entry into this program.*****

First & Second Year:

First Year (36 to 37 credits)	☐ BIOL 112 ☐ BIOL 121 & 140	☐ CHEM 121 & 123	☐ CPSC 111 ☐ CPSC 121	<u>Two of MATH</u> ☐ 100, 102, 104, 120, 180, or 184 ☐ 101, 103, 105, 121	☐ ENGL (6 credits of 100 level English) -ENGL 112 recommended
Second Year (31 credits)	☐ BIOL 200 ☐ BIOL 201	☐ CPSC 211 ☐ CPSC 213 ☐ CPSC 221	☐ CHEM 233 ☐ CHEM 235	☐ MATH 200 or 221 ☐ Elective (3) -CHEM 205 is a prereq. for all BIOC courses	Arts Elective (3 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 any of these courses directly. Students with Biology 11 may enter BIOL 112 if they have Chem 12; BIOL 112 is acceptable as prerequisite for BIOL 121. Students without high school biology must take BIOL 111 before registering in BIOL 112, 121, and 140.
2. Three credits of first-year English courses may be deferred to second year.
3. While CPSC 111 and 121 are the minimum CPSC credits required in the first year of the program, students pursuing a Co-op program in CPSC are advised to take CPSC 211 in their first year.

Third & Fourth Year:

Third Year (29 to 30 credits)	<u>One of BIOL:</u> ☐ 361, 360, 362 ☐ 351 and 352 ☐ 361, 363, 364	☐ One of BIOL 204, 205, 209, 210 ☐ BIOL 300 (3)	☐ BIOL 301 (3) ☐ BIOL 334 (3)	<u>One of BIOL:</u> ☐ BIOL 304 ☐ BIOL 335 ☐ BIOL 336 ☐ BIOC 302 (3 Credits)	☐ CPSC 310 (3) ☐ CPSC 320 (4)
Fourth Year (30 credits)	☐ CPSC 313 (3)	☐ CPSC Courses 300 level or higher (6 Credits)	☐ CPSC Courses 400 level or higher (6 Credits)	☐ BIOL Courses 400 level or higher (3 Credits)	☐ Arts Electives (9) ☐ Elective (3)

Registration Notes for 3rd & 4th year Biology:

1. Students **must take** their physiology course sequence (BIOL 351/352, BIOL 361/360/362, or BIOL 361/363/364) in **third year**. If other constraints require that you take these courses in 4th year (i.e. Co-op or Exchange) you need to request permission to do so from Dr. Adamson, Director of Biology. Please submit all requests to the Biology Office.
2. Students interested in Bioinformatics can take CPSC 304, 404, 445, MATH/STAT 302, BIOC 402, 404, and MICB 405.
3. It is highly recommended that students take at least 2 organismal courses BIOL 204, 205, 209, and 210. Students interested in phylogenetics should take upper level organismal course.
4. It is strongly recommended students take at least 2 of BIOL 204, 205, 209, or 210.
5. 48 Credits must be upper level credits numbered 300 or higher.

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