

# BIOLOGY PROGRAM WORKSHEET 2008-09

## COMBINED HONOURS: CHEMISTRY & BIOLOGY

### First & Second Year:

First Year  
(34 to 36 credits)

<input type="checkbox"/> BIOL 112  <input type="checkbox"/> BIOL 121 & 140	<input type="checkbox"/> <b>CHEMISTRY 121 and 123 Or CHEM 111 and 113 (6 credits)</b>	<input type="checkbox"/> <b>PHYS 100 or 200 level course (3 credits)</b>  <input type="checkbox"/> Elective (3)	<b><u>Two of MATH:</u></b> <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
<input type="checkbox"/> BIOL 200  <input type="checkbox"/> BIOL 201	<input type="checkbox"/> CHEM 201  <input type="checkbox"/> CHEM 202	<input type="checkbox"/> CHEM 203  <input type="checkbox"/> CHEM 204	<input type="checkbox"/> MATH 200  <input type="checkbox"/> CHEM 211	<input type="checkbox"/> PHYS 100 or 200 level course (3)  <input type="checkbox"/> Arts Electives (6)

### Registration Notes for 1<sup>st</sup> & 2<sup>nd</sup> 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 any of these courses directly. Students with Biology 11 may enter BIOL 112 if they have Chemistry 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.
- Students without Physics 12 must replace elective with PHYS 100 (prior to PHYS 101).
- First year elective - May be BIOL 111 if students need to take or may be a 100 level Arts/ Science course or it may be a 200 level Biology course.

### Third & Fourth Year:

Third Year  
(38 credits)

<input type="checkbox"/> <b>BIOL 361/360/362</b>	<input type="checkbox"/> BIOL 334  <input type="checkbox"/> BIOL 335	<input type="checkbox"/> CHEM 304  <input type="checkbox"/> CHEM 305 or 307	<input type="checkbox"/> BIOL Elective (3 credits)	<input type="checkbox"/> Arts Electives (6 credits)	<input type="checkbox"/> CHEM 312 <input type="checkbox"/> CHEM 313 <input type="checkbox"/> CHEM 333
	<input type="checkbox"/> CHEM 309  <input type="checkbox"/> CHEM 310	<input type="checkbox"/> CHEM 311 (4)  <input type="checkbox"/> CHEM 400 level course (3 credits)	<input type="checkbox"/> BIOL Electives (6 credits)	<input type="checkbox"/> BIOL 447 (0 to 3 credits) - Required for BIOL 449	<input type="checkbox"/> BIOL 449 or CHEM 449 (6 credits)

### Registration Notes for 3<sup>rd</sup> & 4<sup>th</sup> year Biology:

- Students **must take** their physiology course sequence (BIOL 361/360/362) **in third year**. If other constraints require that you take this course in 4<sup>th</sup> year you need the permission of your program advisor and let the Biology Office know.
- Biology Electives - Biology courses pertaining to organisms suggested.  
- Three or four credits from: BIOL 204, 205, 209, 210, or MICB 202.
- The CHEM 400 level course(s) must be a lecture course.
- BIOL 449 – Submit BIOL 449 Honours Thesis Applications to the Biology Office.

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