

# BIOLOGY PROGRAM WORKSHEETS 2010-11

## CELL AND DEVELOPMENTAL BIOLOGY: HONOURS

### 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"/> Elective (3 credits)	<b>Two of MATH:</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
Second Year (31 to 34 credits)	<input type="checkbox"/> BIOL 200 <input type="checkbox"/> BIOL 201	<b>Any two of:</b> <input type="checkbox"/> 204, 205, 209, 210, or MICB 202 <input type="checkbox"/>	<input type="checkbox"/> CHEM 233 <input type="checkbox"/> CHEM 235 <input type="checkbox"/> CHEM 205	<input type="checkbox"/> Electives (6 credits)	<input type="checkbox"/> Arts Electives (6 credits)

### Registration Notes for 1<sup>st</sup> & 2<sup>nd</sup> 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 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.
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 (38 credits)	<input type="checkbox"/> BIOL 361/360/362	<input type="checkbox"/> BIOL 334 <input type="checkbox"/> BIOL 335	<input type="checkbox"/> BIOL 300 <input type="checkbox"/> BIOL 331 or 352	<input type="checkbox"/> BIOC 303	<input type="checkbox"/> Arts Electives (6 credits)	<input type="checkbox"/> BIOL 304 <input type="checkbox"/> Elective (3) -BIOL 347 recommended
Fourth Year (36 credits)	<input type="checkbox"/> Cell & Dev Electives 300 level or higher (6 Credits)	<input type="checkbox"/> Cell & Dev Electives 300 level or higher (6 Credits)	<input type="checkbox"/> Cell & Dev Electives (3) <input type="checkbox"/> BIOL 431	<input type="checkbox"/> Electives (6 credits)	<input type="checkbox"/> Elective (3) <input type="checkbox"/> BIOL 447	<input type="checkbox"/> BIOL 449 (6 credits)

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

1. 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.
2. **Cell & Developmental Biology Electives** ~ See list on reverse side
3. **Electives** – May be from any faculty and any level as long as the upper level requirement of 48 upper level credits is satisfied.
4. 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!!!