

COMBINED HONOURS: OCEANOGRAPHY & BIOLOGY

First & Second Year:

First Year (32 to 36 credits)	<input type="checkbox"/> BIOL 112 <input type="checkbox"/> BIOL 121 & 140	<input type="checkbox"/> CHEM 121 and 122 Or CHEM 111 and 113 (6 credits)	<input type="checkbox"/> PHYS 107, 108 & 109 Or PHYS 101 and 102 (6 to 8 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 (37 to 38 credits)	<input type="checkbox"/> BIOL 200 <input type="checkbox"/> BIOL 201	Any two of: <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"/> Science Elective (6) <input type="checkbox"/> Science Elective (6)	<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).
- CHEM 203 and 204 are also acceptable instead of CHEM 233/235
- Science Electives
 - Choose 3 credits from EOSC 110, CPSC 122, 124, or GEOG 103
 - Choose 12 to 15 credits from BIOL 204, 205, 209, 210, CHEM 201, 202, 205, CPSC 126, MATH 200, 317, MICB 202, or PSYC 260 (These choices must include at least 6 credits of organismal courses like BIOL 204, 205, 209, 210 or MICB 202)

Third & Fourth Year:

Third Year (36 credits)	<input type="checkbox"/> EOSC 370 <input type="checkbox"/> EOSC 371	<input type="checkbox"/> BIOL 334 <input type="checkbox"/> BIOL 335 or 336	<input type="checkbox"/> BIOL 302 <input type="checkbox"/> BIOL 303	<input type="checkbox"/> BIOL 300 <input type="checkbox"/> EOSC Elective (3 credits)	<input type="checkbox"/> Arts Electives (6 credits) <input type="checkbox"/> Elective (3)	<input type="checkbox"/> EOSC 473 <input type="checkbox"/> Elective (3)
Fourth Year (36 credits)	<input type="checkbox"/> EOSC 470 <input type="checkbox"/> EOSC 472	<input type="checkbox"/> BIOL Electives - 300 level or higher (6 credits)	<input type="checkbox"/> Science Elective (6 credits)	<input type="checkbox"/> Science Elective (6 credits)	<input type="checkbox"/> Science Elective (6 credits)	<input type="checkbox"/> BIOL 449 or EOSC 449 (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 (i.e. Co-op or Exchange student) require that you take this course in 4th year you should make this known to an advisor and the Biology Office.
- Biology Electives - Biology courses pertaining to organisms suggested.
 - Three or four credits from: BIOL 204, 205, 209, 210, or MICB 202.
- Science Electives – Additional EOSC and Oceanography courses may be taken as science electives or BIOL 447 if planning on taking BIOL 449, but if BIOL 449 is taken an additional 6 credits of EOSC courses from EOSC 474, 475, 476, 477, or 478 are required as part of the Science Electives.
- BIOL 449 – Submit BIOL 449 Honours Thesis Applications to the Biology Office.