

# Program Worksheet: Honours Biology

<b>First Year</b>	BIOL 112 _____ BIOL 121 _____ BIOL 140 or 180 _____  CHEM 121 or CHEM 120 & 115 _____ CHEM 123 or CHEM 130 & 135 _____	One of: PHYS 101, 106, 107, 117, 131 _____  One of: CPSC 100, 103, 110, 301 or DSCI 100 _____	One of: MATH 100, 102, 104, 120, 180, or 184 _____  One of: MATH 101, 103, 105, or 121 _____	<b>Communication Requirement 6cr of</b> WRDS 150; SCIE 113; any of ENGL 100, 110, 111, 112, 120, or 121; SCIE 300 or CHEM 300; APSC 176; LFS 150; FRST 150, Arts One; ASTU 100, 101:  _____ and _____
<b>Second Year</b>	<b>*Biology Fundamentals Courses:</b> BIOL 200 _____ BIOL 230 _____ BIOL 260 _____  BIOL 233 or 234 _____	<b>*Organismal Courses:</b> <b>Two</b> from: BIOL 203 _____ BIOL 204 _____ BIOL 205 _____ BIOL 209 _____ BIOL 210 _____ MICB 201 or 211 _____	One of: CHEM 233 _____ CHEM 235 _____  or CHEM 203 _____  or CHEM 223 _____ CHEM 225 _____	Arts Electives [12cr]  _____ _____ _____
<b>Third Year</b>	*** <b>Life Science Selections [24cr]</b>  _____ _____ _____ _____ _____ _____	BIOL 300 _____ BIOL 336 _____ BIOL 347 _____	** <b>Biology Lab Selections</b> <b>Two</b> from list:  _____ _____	
<b>Fourth Year</b>	_____ _____ _____ _____ _____ _____	BIOL 447 _____ BIOL 449 _____	Electives [13cr]  _____ _____ _____ _____	
<b>Minimum Total Credits = 132</b>				

\* One Organismal and/or one Fundamentals course and CHEM 235 can be deferred to third year.

**\*\*Biology Laboratory Selections 2 of:**

BIOL 306, 326, 331, 337, 340, 341, 342, 351, 352, 363, 402, 403, 404, and 437.

MRNE courses may be taken with permission of a biology advisor.

**\*\*\*Life Science Selection – 24 credits (at least 18 credits must be BIOL or MRNE courses; at least 9 credits of which should be at the 400 level.):**

\* Life Science selections that count towards the Science credit requirement: Any third- or fourth-year course in BIOC, CAPS, MICB, or MRNE that is open to Life Science Majors plus: ENVR 430, EOSC 470, 471, 474, 475, 478, GEOB or GEOS 307, 407, FNH 350, 351, 451, MATH 462, MEDG 410, 419, 420, 421, PCTH 305, 325. Life Science selections that do not count towards the Science credit requirement: APBI 311, 312, 314, 315, 318, 342, 401, 411, 418, 419, 442, 444, CONS 330, 440, 486, FRST 302, 310, 385, 386, 395, 399, 444, 485, 495.

**Note:** Life Science Selections do not include BIOL 300 and 336. Four credits of Biology lab selections are required; additional credits from Biology Lab Selections may count as Life Science Selections [i.e., BIOL 351 (4cr) = 2cr Biology Lab Selections & 2cr Life Science Selections].

**Faculty of Science Elective Requirements** (May be any level if the upper-level requirement of **48 upper-level credits** including at least 30 credits from the Faculty of Science is satisfied. Also, up to 18 credits of course work in a faculty other than Science or Arts may be taken for credit.)

- **Arts Electives - 12 credits** from the Faculty of Arts.
- **Electives** – May be from any faculty.