

# Program Planning in Biology

## - Sustainability Concentration -

<b>First Year</b>	BIOL 112 ____ BIOL 140 ____ <b>BIOL 121</b> ____	MATH 100, 102, 104, 110, 120, 180, or 184 ____  MATH 101, 103, 105, or 121 ____  CHEM 121 ____ CHEM 123 ____ PHYS 101 ____	English 1st [3cr] _____
			English 1st [3cr] _____  or  SCIE 113 ____
<b>Second Year</b>	*Biology Fundamentals Courses: BIOL 200 ____ <b>BIOL 230</b> ____ BIOL 234 ____ BIOL 260 ____	* <b>Organismal Courses:</b> Two from: BIOL 204 ____ BIOL 205 ____ BIOL 209 ____ BIOL 210 ____ MICB 201 ____	CHEM 233 ____ CHEM 235 ____  Electives [0-3cr] <b>SCIE 120/220</b> ____
<b>Third Year</b>	BIOL 300 ____ BIOL 336 ____	***Life Science Selections: <b>BIOL 416.....</b> <b>FRST....</b> <b>APBI....</b> <b>REAL WORLD</b>	**Biology Lab Selections Two from list: _____ _____ _____
<b>Fourth Year</b>	Life Science Selections: .....	Electives [12cr] <b>REAL WORLD</b> ____ _____  <b>CAPSTONE</b> ____	Arts and/or Breadth Elect [6cr] <b>SUST ELECT</b> ____ _____ _____
<b>Minimum Total credits</b>			<b>120 cr</b>

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

**\*\*Biology Laboratory Selections:**

BIOL 326, 337, 340, 341, 351, 352, 360, 363, 404, 409, 437, 444

**\*\*\*Life Science Selection – 20 credits (at least 12 credits must be BIOL):**

Life Science selections that count towards the Science credit requirement: Any third- or fourth-year course in BIOC, BIOL, MICB, MRNE, or PHYL that is open to Life Science majors plus: ANAT 390, 391 EOSC 371, 470, 471, 474, 475, 476, 478 GEOB 307, 407 FNH 350, 351, 451 MATH 462 MEDG 410, 419, 420, 421 PCTH 305

Life Science selections that do not count towards the Science credit requirement: APBI 311, 312, 314, 315, 318, 342, 401, 411, 418, 419, 444 CONS 330, 440, 486 FRST 302, 310, 385, 386, 395, 399, 420, 444, 485, 495

**Note:** Life Science Selections do not include BIOL 300 and 336 or courses used as Lab Selections. Exceptions include BIOL 351 or 352 (two credits of each course can be counted toward the Life Science Selections). If more than two courses from the Lab Selections options are taken, they may count toward the Life Science Selection requirement.

**Faculty of Science Elective Requirements** (May be any level as long as 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 (additional 3 credits if SCIE 113 is taken)

**Breadth Electives – 9 credits** must be in Arts or in Science outside the field of major. *The field of major being Life Sciences breadth electives cannot be BIOC, BIOL, MICB, MRNE, EOSC 470, 471, 474, 475, 476, 478; PSYC 304, 306, PSYC (Science) and Science credit courses in the Faculties of Medicine and Land & Food Systems.*

**Electives** – May be from any faculty.

For advising please contact Shona Ellis (shona@mail.ubc.ca)