## Program Worksheet: Honours Conservation Biology

### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 112 ___</td>
<td></td>
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<td>BIOL 140 ___</td>
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<tr>
<td>BIOL 121 ___</td>
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<tr>
<td>CHEM 111/121 ___</td>
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<td>CHEM 123 ___</td>
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<tr>
<td>PHYS 101 ___</td>
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<tr>
<td>MATH 100, 102, 104, 120, 180, or 184 ___</td>
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<td></td>
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<tr>
<td>MATH 101, 103, 105, or 121 ___</td>
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<tr>
<td>Electives [3cr]:</td>
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**Communication Requirement 6cr of ENGL 100, 110, 111, 112, 120,121 or SCIE 113:**

ENGL ______        

and

ENGL or SCIE 113 ______

31cr

### Second Year

- **Biology Fundamentals Courses:**
  - BIOL 200 ___
  - BIOL 230 ___
  - BIOL 260 ___

- **Biology Fundamentals Courses:**
  - BIOL 233 ___
  - OR
  - BIOL 234 ___

**Organismal Courses:**

One from:

- BIOL 204 ___
- BIOL 205 ___

One from:

- BIOL 209 ___
- BIOL 210 ___
- BIOL 320 ___
- BIOL 321 ___
- BIOL 322 ___
- BIOL 324 ___

**Organismal Courses:**

- CHEM 233 ___
- CHEM 235 ___

**Organismal Courses:**

Electives [4cr]:

30cr

### Third Year

- BIOL 300 ___
- BIOL 347 ___

- BIOL 306 ___
- BIOL 336 ___
- BIOL 416 ___

**Life Science Selections [9cr]:**

Arts [12cr]:

71cr

### Fourth Year

- BIOL 447 ___
- BIOL 449 ___

**Biology Lab Selections**

Two from list:

***Conservation Biology Selections [12cr]:***

Electives [10cr]:

Minimum Total Credits: 132cr

* One Organismal and/or one of BIOL 204, 205, 209, 210 course can be deferred to third year.

**Biology Laboratory Selections:**

BIOL 301, 326, 337, 340, 341, 342, 351, 352, 363, 404, 409, 437, 444, MRNE 4XX

**NOTE:** MRNE courses may be taken with permission from an advisor

***Life Science Selection:**

****Conservation Biology Selections:
BIOL 301 - Biomathematics
BIOL 310 – Introduction to Animal Behaviour
BIOL 402 - Aquatic Ecology
BIOL 404 - Ecological Methodology
BIOL 407 - Plant Ecology II
BIOL 408 – Principles of Applied Ecology
BIOL 411 - Insect Ecology
BIOL 415 – Evolutionary Processes in Plants
BOL 418 – Evolutionary Ecology
BIOL 434 - Population Genetics
BIOL 462 - Ecological Plant Biochemistry
CONS 200 - Foundations of Conservation
CONS 330 – Conservation Science and Sustainability
CONS 440 - Conservation Policy
CONS 486 – Fish Conservation and Management
FRST 386 – Aquatic Ecosystems and Fish in Forested Watersheds
FRST 395 - Forest Wildlife Ecology and Management
FRST 420 - Forest Environment Management
FRST 432 – Molecular Ecology
FRST 495 – Biological Diversity and Forest Management
LAW 387 - Environmental Law
LAW 388 - Environmental Law in Practice
MRNE 430 - Marine Ecology
MRNE 435 – Introduction to Biological Oceanography
EOSC 474 - Marine Pollution

Note: MRNE courses may be taken with permission of a Biology advisor

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

For advising please contact Shona Ellis, Assoc. Head of Biology (shona@mail.ubc.ca).