# Program Worksheet: Honours Conservation Biology

## First Year
- **BIOL 112**
- **BIOL 140**
- **BIOL 121**
- **CHEM 121**
- **CHEM 123**
- **PHYS 101**

## Second Year
- **Biology Fundamentals Courses:**
  - **BIOL 200**
  - **BIOL 230**
  - **BIOL 260**
  - **BIOL 233**
  - **BIOL 234**

- **Organismal Courses:**
  - One from:
    - **BIOL 204**
    - **BIOL 205**
  - One from:
    - **BIOL 209**
    - **BIOL 210**
    - **BIOL 320**
    - **BIOL 321**
    - **BIOL 322**
    - **BIOL 324**

- **Communication Requirement 6cr** of ENGL 100, 110, 111, 112, 140 or SCIE 113:
  - **ENGL _____**
  - **ENGL or SCIE 113 __________***

## Third Year
- **BIOL 300**
- **BIOL 347**

- **Biology Lab Selections**
  - Two from list:
    - ___________
    - ___________
    - ___________
    - ___________

- **Life Science Selections [9cr]**
  - ___________
  - ___________
  - ___________
  - ___________

- **Conservation Biology Selections [12cr]**
  - ___________
  - ___________
  - ___________
  - ___________

- **Arts [12cr]**
  - ___________
  - ___________
  - ___________
  - ___________

## Fourth Year
- **BIOL 447**
- **BIOL 449**

**Minimum Total Credits = 132cr**

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

**Biology Laboratory Selections:**
- BIOL 301, 326, 337, 340, 341, 351, 352, 363, 404, 409, 437, 444

**Life Science Selection – 20 credits (at least 12 credits must be BIOL or MRNE or ENVR 430):**
Life Science selections that count towards the Science credit requirement: Any third- or fourth-year course in BIOC, BIOL, CAPS, MICB, MRNE, or PHYL that is open to Life Science majors plus: ENVR 430; EOSC 470, 471, 474, 475, 476, 478; GEOB 307, 407; FHN 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, 432, 442, 444; CONS 330, 440, 486; FRST 302, 310, 385, 386, 395, 399, 420, 444, 485, 495.

*Note A:* A maximum of 3 credits for BIOL 448 can count toward Life Science Selections.

*Note B:* 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].
****Conservation Biology Selections:
BIOL 301 – Biomathematics
BIOL 310 – Introduction to Animal Behaviour
BIOL 402 – Aquatic Ecology
BIOL 404 – Ecological Methodology
BIOL 406 – Plant Ecology I
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 420 – Ocean Conservation and Sustainability
BIOL 434 – Population Genetics
BIOL 462 – Ecological Plant Biochemistry
CONS 200 – Foundations of Conservation
CONS 330 – Conservation Science and Sustainability
CONS 340 – Introduction to Geographic Information Systems for Forestry and Conservation
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).