

# Program Worksheet: Honours Animal Biology

<b>First Year</b>	BIOL 112 ____ BIOL 140 ____ BIOL 121 ____  CHEM 111/121 ____ CHEM 113/123 ____	One of: PHYS 101, 107, 117 ____  One of: CPSC 100, 103, 110 ____	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; Arts One; ASTU 100, 101:  _____ and _____  Electives [3cr]: _____	31cr
<b>Second Year</b>	<b>*Biology Fundamentals Courses:</b> BIOL 200 ____ BIOL 230 ____ BIOL 260 ____  BIOL 233 ____ Or BIOL 234 ____	<b>*Organismal Courses:</b> BIOL 204 ____ BIOL 205 ____	CHEM 233 ____ CHEM 235 ____ or CHEM 203 ____		30cr
<b>Third Year</b>	BIOL 300 ____ BIOL 347 ____ BIOL 361 ____ BIOL 363 ____ BIOL 364 ____	BIOL 336 ____  <b>**Biology Lab Selections</b> One from list: _____ _____ _____	**** <b>Animal Biology Selections [12cr]:</b> _____ _____ _____ _____		71cr
<b>Fourth Year</b>	BIOL 447 ____ BIOL 449 ____	<b>***Life Science Selections [9cr]:</b> _____ _____ _____	Arts Electives [12cr]: _____ _____ _____	Electives [12cr]: _____ _____ _____	
<b>Minimum Total Credits = 132</b>					

\* One of **BIOL 204, 205** and/or one **Fundamentals** course can be deferred to third year.

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

BIOL 326, 331, 337, 340, 341, 342, 404, 409, 437, MRNE 4XX

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

**\*\*\*Life Science Selection:**

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: EOSC 470, 471, 474, 475, 476, 478, GEOB 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, 444, CONS 330, 440, 486, FRST 302, 310, 385, 386, 395, 399, 420, 444, 485, 495.

**\*\*\*\*Animal Biology Selections:**

BIOL 310 – Introduction to Animal Behaviour  
BIOL 325 – Introduction to Animal Mechanics and Locomotion  
BIOL 326 – Experimental Biology of Invertebrates  
BIOL 327 – Introduction to Entomology  
BIOL 328 – Introductory Parasitology  
BIOL 331 – Developmental Biology  
BIOL 410 – Current Topics in Animal Behaviour  
BIOL 411 - Insect Ecology  
BIOL 413 – Zoogeography  
BIOL 416 – Principles of Conservation Biology  
BIOL 418 – Evolutionary Ecology  
BIOL 425 – Biomechanics  
BIOL 426 - Mammalogy  
BIOL 427 – Ornithology and Herpetology  
BIOL 428 – Evolutionary Morphology of Marine Invertebrates  
BIOL 450 – Molecular Adaptation of Animals to the Environment  
BIOL 454 - Comparative Animal Physiology  
BIOL 455 – Comparative Neurobiology  
BIOL 456 – Comparative and Molecular Endocrinology  
BIOL 457 – Comparative Environmental Physiology  
BIOL 458 – Developmental Neurobiology  
BIOL 465 – Diversity and Evolution of Fishes

**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.