

# Zoology SPECIALIZATION

Courses for Students Enrolling in Fall 2023



## FIRST YEAR

BIOL 1506E Biology I  
BIOL 1507E Biology II  
CHMI 1006E General Chemistry I **1**  
CHMI-1007E General Chemistry II  
MATH 1036E Calculus I **2**  
MATH 1037E Calculus II OR MATH 1057E Linear Algebra I  
PHYS 1006E Introductory Physics I  
PHYS 1007E Introductory Physics II

**6 credits in Arts**

- 1 Applicants lacking 12U-level Chemistry or the equivalent, must complete CHMI 1031 prior to taking CHMI 1006.
- 2 Applicants with a grade of less than C (60%) in 12U-level Calculus or the equivalent, must complete MATH 1912 prior to taking MATH 1036.

## THIRD YEAR

BIOL 2306E Diversity of Plants  
BIOL 3327E Experimental Methods in Biology  
CHMI 2227E Biochemistry I  
NATS 3106E Scientific Writing and Communication

**6 credits from Zoology List A below**

**6 credits from Zoology List B below**

**6 credits from any discipline**

### Note:

- Students may not exceed 48 credits at the 1000 or 9100 level in their degree program.
- Students must take a minimum of 9 credits of the 4000 level courses to graduate with honours.
- SCOM 4006 is recommended as a general elective.

## SECOND YEAR

BIOL 2007E Genetics  
BIOL 2026E Introduction to Microbiology  
BIOL 2126E Cell Biology  
BIOL 2356E Principles of Ecology  
BIOL 2706E Vertebrate Form and Function  
BIOL 2726E Diversity of Animals  
CHMI 2426E Organic Chemistry I  
STAT 2126E Introduction to Statistics  
OR STAT 2246E Statistics for Scientists

**6 credits in Arts**

## FOURTH YEAR

BIOL 4016E Field Camp and Report OR equivalent **3**  
NATS 4005E Honours Thesis **4**

OR NATS 4106E Literature Review and 3cr BIOL

**9 credits from Zoology List A below**

**6 credits from Zoology List B below**

**6 credits from any discipline**

**3** Students must consult their academic advisor for a suitable replacement for BIOL 4016. BIOL 4216 may be a suitable replacement. BIOL 4016 (or its equivalent) can be taken in third year.

**4** Students with an overall average of less than B (6) in all Biology courses must replace NATS 4005 with NATS 4106 and another 3 credits from List A or B.

## Credits A & B

