

## **Streams and Options**

The Department has identified several streams of study. These are not modifications to the degree program; rather, they are intended to provide course selection guides for students with particular interests.

### Microbiology Stream

BIOL2053X1 Microbial Biodiversity: core for all Biology majors  
BIOL3523X2 Pathogenic Microbiology  
BIOL3553X1 Immunology  
BIOL3573X2 Applied and Environmental Microbiology  
BIOL3583X2 Eukaryotic Microbiology  
BIOL4453X2 Comparative Immunology

### Genetics Stream

Biol 2023 Principles of Heredity  
Biol 3613 Genetics 1  
Biol 3623 Genetics 2  
Biol 4613 Topics in Genetics  
Biol 4673 Molecular Markers in Ecology and Evolution  
Biol 4833 Conservation Genetics  
Chem 2713 Biochemistry

### Ecology Stream

Biol 3013 Natural History and Field Biology  
Biol 3033 Principles of Ecology  
Biol 3143 Animal Behaviour  
Biol 3363 Biodiversity  
Biol 3373 Aquatic Ecology  
Biol 4423 Conservation Biology  
Biol 4543 Estuarine Ecology  
Biol 4653 Seminar in Ecology  
Biol 4833 Conservation Genetics  
Biol 4863 Wildlife Biology and Habitat Management in Nova Scotia

### Marine Biology Stream

Biol 2563 Marine Biology  
Biol 3373 Aquatic Ecology  
Biol 3843 Marine Invertebrate Zoology  
Biol 4113 Ichthyology  
Biol 4543 Estuarine Ecology  
Geol 1033 General Oceanography  
Geol 1053 Coastal Oceanography  
Geol 2213 History of Life  
Econ 2713 Economics of the Natural Environment

## Biodiversity Stream

Biol 3013 Natural History and Field Biology  
Biol 3073 Plant Anatomy  
Biol 3113 Vertebrate Diversity  
Biol 3123 Parasitology  
Biol 3243 Plant Growth and Development  
Biol 3293 Flora of Nova Scotia  
Biol 3373 Aquatic Ecology  
Biol 3843 Marine Invertebrate Zoology  
Biol 4113 Ichthyology  
Biol 4123 Mammology  
Biol 4153 Entomology  
Biol 4163 Ornithology  
Biol 4213 Plant Ecophysiology  
Biol 4443 Comparative Animal Physiology

## Health Sciences Option

In addition to the identified streams the Department has a Health Sciences Option. While this is not a modification to the degree program, it can be completed in conjunction with the Bachelor of Science with Major or the Bachelor of Science with Honours. It is meant to provide a strong foundation for students proceeding with further health related studies and completion of this option will be noted on their transcripts.

BIOL 1113/1123 or 1813/1823

CHEM 1013/1023 or 1113/1123

6h from MATH 1013/1023, 1213/1223, 2213/2223, or 2233/2243

6h from PHYS 1013/1023 or 1053/1063

15h from any of:

NUTR 1313, 1323, 3513, 3523, 4513

PSYC 1013, 1023, 2113, 2123, 2133, 2153

SOCI 1033, 2343, 2353, 2633, 3363, 3633

CREL 2443

PHIL 2713 or 1213

HIST 2613