

# B.Sc. Earth Sciences and Biology

Catalogue Year: 2020-2021

## FIRST YEAR

## SECOND YEAR

## THIRD YEAR

## FOURTH YEAR

FALL

WINTER

FALL

WINTER

FALL

WINTER

FALL

WINTER

**ERTH 1006**  
Exploring Planet Earth

**ERTH 1009**  
The Earth System Through Time

**ERTH 2102**  
Mineralogy to Petrology

**ERTH 2312**  
Paleontology

**ERTH 3203\***  
Sedimentology

**ERTH 3111**  
Vert Evolution: Mammals  
**AND**  
**ERTH 3112**  
Vert Evolution: Fish (offered in alternating years)

**1.0 credit EARTH 4908 Honours Thesis**  
or  
**0.5 credit EARTH 4909 Project**  
With 0.5 credit in EARTH 4000 level course

**MATH 1007**  
Elementary Calculus I

**MATH 1107**  
Linear Algebra I

**ERTH 2314**  
Sedimentation and Stratigraphy

**BIOL 2001**  
Animals: Form & Function

**ERTH 3206**  
Sedimentary Depositional Systems

**ERTH 3113**  
Geology of Human Origins

**1.0 credit in BIOL 4905 Honours Workshop**  
or  
**1.0 credit in BIOL 4907 Honours Essay & Research Proposal**  
Or  
**1.0 credit in BIOL 4908 Honours Research Thesis**

**CHEM 1001**  
General Chemistry I  
**OR**  
**CHEM 1005**  
Elementary Chemistry I

**CHEM 1002**  
General Chemistry II  
**OR**  
**CHEM 1006**  
Elementary Chemistry II

**BIOL 3605\***  
Field Course I

**STAT 2507**  
Introduction to Statistical Modeling I

**0.5 credits in Science Continuation Course (not EARTH)**

**1.0 credit in Free Electives**

**1.0 credit in EARTH courses at the 4000 level**

**ERTH 3111**  
Vert Evolution: Mammals  
**AND**  
**ERTH 3112**  
Vert Evolution: Fish (offered in alternating years)

**PHYS 1007**  
Elementary University Physics I

**PHYS 1008**  
Elementary University Physics II

**COMP 1005**  
Introduction to Computer Science I

**0.5 credits in Science Continuation Course (not EARTH)**

**1.0 credit in Approved courses outside the Faculty of Science/Engineering (may include NSCI 1000)**

**1.0 credit in Approved courses outside the Faculty of Science/Engineering (may include NSCI 1000)**

**BIOL 1103**  
Foundations of Biology I

**BIOL 1104**  
Foundations of Biology II

**1.5 credits in either BIOL or BIOC at the 2000, 3000 or 4000 level**

**1.0 credit in either BIOL or BIOC at the 3000 level**

**1.0 credit in either BIOL or BIOC at the 4000 level**

■ Chemistry   
 ■ NSCI   
 ■ Physics   
 ■ Math & Stats  
■ Earth Sciences   
 ■ Geomatics   
 ■ Computer Science   
 ■ Electives   
 ■ Biology

### Note:

- Field Courses marked with an \* are held outside of the regular term dates.
- This is a snapshot of the Undergraduate calendar but information can change. Always consult your advisor and seek advising if you are off track.
- It is your responsibility to make sure you have the necessary pre-requisite courses before registering. This information can be found in the Undergraduate calendar at: [calendar.carleton.ca/undergrad/](http://calendar.carleton.ca/undergrad/)