

# B.Sc. Earth Sciences General (15.0 credits)

## 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 2104**  
Igneous Systems, Geochemistry & Processes

**ERTH 3003**  
Geochemistry & Geochronology

**ERTH 3204**  
Mineral Deposits

**MATH 1007**  
Elementary Calculus I

**MATH 1107**  
Linear Algebra I

**ERTH 2105**  
Geodynamics

**ERTH 2312**  
Paleontology

**ERTH 3207**  
Metamorphic Petrology & Processes

**ERTH 3205**  
Physical Hydrogeology

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

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

**ERTH 2314**  
Sedimentation and Stratigraphy

**ERTH 2406**  
Geology & Map Interpretation

**ERTH 3405**  
Geophysical Methods

**ERTH 3806**  
Structural Geology

**PHYS 1007**  
Elementary University Physics I

**PHYS 1008**  
Elementary University Physics II  
OR

**\*GEOM 1004**  
Maps, Stats & Geospatial Rev (in place of GEOM 2007)

0.5 credits in approved course outside Faculty of Science/Engineering

**ERTH 3206**  
Sedimentary Depositional Systems

1.0 credit in approved courses outside Faculty of Science/Engineering

**NSCI 1000** or  
Approved course outside the Faculty of Science/Engineering

**BIOL 1104**  
Foundations of Biology II

0.5 credit Free Elective

**ERTH 2802\***  
Field Geology I

0.5 credits in Science Continuation Course (not EARTH)

0.5 credit Free Elective

### 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 audit 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/)

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