

B.Sc. Earth Sciences Major (20.0 credits)

Catalogue Year: 2023-2024

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

3.0 credits in EARTH courses at the 4000 level

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

1.0 credit in approved courses outside Faculty of Science/ Engineering

PHYS 1007
Elementary University Physics I

PHYS 1008
Elementary University Physics II

ERTH 2004
Maps, Stats & Geospatial Revolution

STAT 2507
Introduction to Statistical Modeling I

ERTH 3203*
Sedimentology

OR

ERTH 3206
Sedimentary Depositional Systems

BIOL 1104
Foundations of Biology II

0.5 credit
Free Elective

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

0.5 credit
Free Elective

COMP 1005
Introduction to Computer Science I

0.5 credits in approved course outside Faculty of Science/ Engineering

1.0 credit in Science Continuation courses (not EARTH)

ERTH 2802*
Field Geology I

■ 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 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/