

B.Sc. Earth Sciences with Concentration in Vertebrate Paleontology and Paleoecology

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 3003
Geochemistry & Geochronology

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 2105
Geodynamics

ERTH 2406
Geology & Map Interpretation

ERTH 3203*
Sedimentology

OR

ERTH 3206
Sedimentary Depositional Systems

ERTH 3113
Geology of Human Origins

ERTH 4003
Directed Studies

OR

ERTH 4808
Vertebrate Paleo Field Camp

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

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

STAT 2507
Introduction to Statistical Modeling I

0.5 credit
Free Elective

1.0 credit from courses in BIOL, GEOM, GEOG or EARTH
(please see section 7 of major in Undergrad calendar)

2.0 credits from courses in BIOL, GEOM, GEOG or EARTH at 4000 level
(please see section 7 of major in Undergrad calendar)

PHYS 1007
Elementary University Physics I

0.5 credit
Free Elective

ERTH 2004
Maps, Stats & Geospatial Revolution

BIOL 2001
Animals: Form & Function

0.5 credit
Science Faculty Elective (not EARTH)

BIOL 1103
Foundations of Biology I

BIOL 1104
Foundations of Biology II

BIOL 2600
Ecology

BIOL 2104
Introductory Genetics

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

1.0 credit in approved courses outside Faculty of Science/Engineering

■ 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/