

B.Sc. Earth Sciences and Physical Geography

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

GEOG 1010
Global
Environmental
Systems

ERTH 2102
Mineralogy to
Petrology

ERTH 2104
Igneous
Systems,
Geochemistry
& Processes

ERTH 3003
Geochemistry &
Geochronology

ERTH 3205
Physical
Hydrogeology

1.0 credit EARTH 4908 Honours Thesis
or 0.5 credit EARTH 4909 project

OR

1.0 credit GEOG 4906 Honours
Research Project or 0.5 credit GEOG
4005 Directed Studies

(With EARTH 4909 and GEOG 4005 you
will need another 0.5 credit course in
ERTH, GEOG or GEOM at the 4000
level)

MATH
1007
Elementary
Calculus I

MATH
1107
Linear
Algebra I

ERTH 2314
Sedimentation
and
Stratigraphy

ERTH 2406
Geology &
Map
Interpretation

ERTH 3405
Geophysical
Methods

Or
GEOG 3103
Watershed
Hydrology

1.0 credit in EARTH, Science GEOG
or GEOM at the 4000 level

CHEM 1001
General
Chemistry I
OR
CHEM 1005
Elementary
Chemistry I

CHEM 1002
General
Chemistry II
OR
CHEM 1006
Elementary
Chemistry II

GEOG 2014
The Earth's
Surface

GEOG 2013
Weather and
Water

ERTH 3203*
Sedimentology
OR
ERTH 3206
Sedimentary
Depositional
Systems

ERTH 3806
Structural
Geology

1.0 credit in GEOG 3000 level
course (see section 8 of major in
Undergrad calendar for choices)

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
OR
GEOG 2006
Introduction to
Quantitative
Research

GEOG 3002
Introduction
to Remote
Sensing

0.5 credits in
approved
courses outside
the Faculty of
Science/
Engineering

0.5 credits in
approved
electives (see
list in
Undergrad
calendar)

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
courses outside
the Faculty of
Science/
Engineering

1.0 credit in GEOG 3000 level courses
(see section 8 of major in Undergrad
calendar for choices)

1.0 credit in Science GEOG or GEOM
at 2000 level or higher

0.5 credits in
approved
courses
outside the
Faculty of
Science/
Engineering

ERTH 2802*
Field Geology I

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/

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