B.Sc. Earth Sciences and Biology

**FIRST YEAR**
- **FALL**
  - ERTH 1006 Exploring Planet Earth
  - MATH 1007 Elementary Calculus I
  - CHEM 1001 General Chemistry I
  - PHYS 1007 Elementary University Physics I
  - BIOL 1103 Foundations of Biology I
- **WINTER**
  - ERTH 1009 The Earth System Through Time
  - MATH 1107 Linear Algebra I
  - CHEM 1002 General Chemistry II
  - PHYS 1008 Elementary University Physics II
  - BIOL 1104 Foundations of Biology II

**SECOND YEAR**
- **FALL**
  - ERTH 2102 Mineralogy to Petrology
  - BIOL 2001 Animals: Form & Function
  - STAT 2507 Introduction to Statistical Modeling I
  - 1.0 credits in either BIOL or BIOC at the 2000, 3000 or 4000 level
  - 1.0 credit in Free Electives
- **WINTER**
  - ERTH 2302 Palaeontology
  - ERTH 2314 Sedimentation and Stratigraphy
  - BIOL 2600 Ecology
  - COMP 1005 Introduction to Computer Science I
  - 0.5 credits in Science Continuation Course (not ERTH)

**THIRD YEAR**
- **FALL**
  - ERTH 3203 Sedimentology
    OR
  - ERTH 3206 Sedimentary Depositional Systems
  - BIOL 3605 Field Course I
    OR
  - BIOL 2600 Ecology
  - ERTH 3113 Geology of Human Origins
  - 1.0 credits in either BIOL or BIOC at the 3000 level
  - 1.0 credit in Approved courses outside the Faculty of Science/Engineering (may include NSCI 1000)
- **WINTER**
  - ERTH 3206 Sedimentary Depositional Systems
    OR
  - ERTH 3112 Vert Evolution: Fish (offered in alternating years)
  - STAT 2507 Introduction to Statistical Modeling II
  - 1.0 credit in ERTH courses at the 4000 level
  - 0.5 credits in either BIOL or BIOC at the 2000, 3000 or 4000 level

**FOURTH YEAR**
- **FALL**
  - 1.0 credit ERTH 4908 Honours Thesis
    OR
  - 0.5 credit ERTH 4909 Project
    With 0.5 credit in ERTH 4000 level course
    OR
  - 1.0 credit in BIOL 4905 Honours Workshop
  - 1.0 credit in BIOL 4907 Honours Essay & Research Proposal
  - 1.0 credit in BIOL 4908 Honours Research Thesis
  - 1.0 credit in either BIOL or BIOC at the 3000 level
  - 1.0 credit in either BIOL or BIOC at the 4000 level
  - 1.0 credit in either BIOL or BIOC at the 4000 level

**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/