

# B.Sc. Earth Sciences with Concentration in Finance: Resource Valuation

Catalogue Year: 2022-2023

## 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

1.0 credit **ERTH 4910** Honours Thesis OR  
0.5 credit **ERTH 4909** Project  
With 0.5 credit in **ERTH 4000** level course

**MATH 1007**  
Elementary Calculus I

**MATH 1107**  
Linear Algebra I

**ERTH 2105**  
Geodynamics

**ERTH 2406**  
Geology & Map Interpretation

**ERTH 3207**  
Metamorphic Petrology & Processes

**ERTH 3205**  
Physical Hydrogeology

1.5 credits in **ERTH** courses 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

**ERTH 2314**  
Sedimentation and Stratigraphy

**ERTH 2802\***  
Field Geology I

**ERTH 3405**  
Geophysical Methods

**ERTH 3806**  
Structural Geology

**BUSI 3502**  
Investments

**ERTH 4303**  
Resources of the Earth

**PHYS 1007**  
Elementary University Physics I

**BIOL 1104**  
Foundations of Biology II

OR

**COMP 1005**  
Introduction to Computer Science I

**ERTH 2004**  
Maps, Stats & Geospatial Revolution

**STAT 2507**  
Introduction to Statistical Modeling I

**ERTH 3203\***  
Sedimentology OR  
**ERTH 3206**  
Sedimentary Depositional Systems

**STAT 2509**  
Introduction to Statistical Modeling II

**BUSI 3512**  
Derivatives

**BUSI 4500**  
Advanced Corporate Finance

**ECON 1001**  
Introduction to Microeconomics

**ECON 1002**  
Introduction to Macroeconomics

**BUSI 1002**  
Management Accounting

**BUSI 1001**  
Principals of Financial Accounting

**ECON 2009**  
Managerial Economics

**BUSI 2505**  
Business Finance II

**BUSI 3500**  
Applied Corporate Finance

**BUSI 4510**  
Mergers and Acquisitions

**BUSI 2504**  
Business Finance I

**ECON 3803**  
The economics of natural resources

### 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   
 ■ Economics   
 ■ Physics   
 ■ Math & Stats   
 ■ Electives   
 ■ Biology  
■ Earth Sciences   
 ■ Geomatics   
 ■ Business