Catalogue Year: 2023-2024

## B.Sc. Earth Sciences with Concentration in Geophysics

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 4908 Honours Thesis OR 0.5 credit ERTH 4909 Project With 0.5 credit in ERTH 4000 level course
MATH 1004 Calculus for Engineering or Physics	MATH 1104 Linear Algebra for Engineering or Science	ERTH 2105 Geodyn <i>a</i> mics	ERTH 2406 Geology & Map Interpretation	ERTH 3405 Geophysical Method s	ERTH 3205 Physical Hydrogeology	0.5 credit Free Elective Elective
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 MATH 1005	ERTH 3203* Sedimentology OR ERTH 3206	ERTH 3806 Structural Geology	3.0 credits from ERTH, MATH or PHYS (see section 13 of non- major in Undergrad calendar)
PHYS 1001 Foundations in Physics 1 OR PHYS 1003 Introductory Mechanics &	PHYS 1002 Foundations in Physics 1 OR PHYS 1004 Introductory Mechanics &	ERTH 2004 Maps, Stats & Geospatial Revolution	Differential Equations & Infinite Series for Engineering or Physics	Sedimentary Depositional Systems	0.5 credit Free Elective	
Thermodynamics OR PHYS 1007 Elementary University Physics I	Thermodynamics OR PHYS 1008 Elementary University Physics I	COMP 1005 Introduction to Compute Science 1 OR	STAT 2507 Introduction to Statistical Modeling I	1.5 credits from PHYS (see section Undergrad	13 of non-major in	
NSCI 1000 or Approved course outside the Faculty of Science/ Engineering	0.5 credit Free Elective	COMP 1006 Introduction to Computer Science II	Note:			
<ul> <li>Field Courses marked with an * are held outside of the regular term dates.</li> <li>Field Courses marked with an * are held outside of the regular term dates.</li> <li>This is a snapshot of the Undergraduate calendar but information can change. Always consult your audit and seek advising if you are off track.</li> <li>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/</li> </ul>						