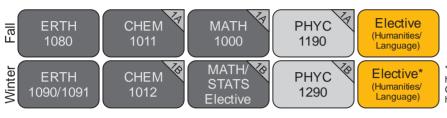
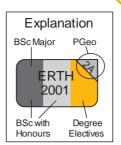
Earth Sciences – BSc, BSc Honours, PGeo

The majority of Earth Sciences students complete either the BSc Major or BSc Honours programs in Earth Sciences along with the requirements for Professional Geoscience Registration.

Year 1





*Total number of 1000-level credithours may not exceed 48 (16 courses). Conversely, minimum of 72 credit hours required at 2000-level and higher.

Year 2

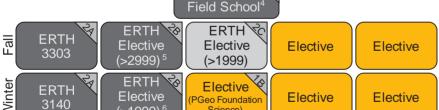


Prerequisites: ERTH 1080 and 1090. CHEM 1011 and 1012.

²Prerequisites: ERTH 1080, MATH1000, PHYC 1190 and PHYC 1290 (or equiv.)

³PGeo Group 1B subjects include Math. Chemistry, Physics, Statistics, Computer Programming, and Biology.

Years 3 & 4



Science)

>1999)

ERTH 3001

- ⁴ERTH 3001 Field School is 14 days and usually runs at the end of August
- ⁴ERTH 4003 + 4004 Advanced Field School is 28 days and runs in May
- Consider in 3rd year for PGeo (2B): - ERTH 3010 for Geology Stream, or
- ERTH 3701 for Env. Geo. Stream
- PGeo Group 2B requires five courses. Consult the GKE or dept checklist to determine the various course combinations to satisfy this category

Years 3 & 4



- Honours thesis class. For acceptance:
- Min. GPA in ERTH of 3.5, and no grade lower than C
- Students generally find their own supervisor/project in Year 3.

Checklist for PGeo Knowledge Requirements for Dalhousie Earth Sciences students

Refer to the Professional Geoscience Knowledge and Experience (GKE) handbook while filling out this document. https://geoscientistscanada.ca/source/GC-Knowledge-Regu-BKLT--REV--EN--web--final-.pdf

Group 1A and 1B Compulsory and Additional Foundation Science

Group 1A - Compulsory Foundation Science (3 courses*)

*course is equivalent to a 3-credit hour course. The GKE uses the term Education Unit (EU) which is also a 1 semester course.

Chemistry		e.g., CHEM 1011 or equivalent			
Mathematics		e.g., MATH 1000 or equivalent; life sciences math (1215) not accepted			
Physics		e.g., PHYC 1190 (or 1290) or equivalent; life sciences physics (1300) not accepted			

Group 1B - Additional Foundation Science (total of 6 courses and no more than 2 courses in any one subject)

Chemistry	
Mathematics	
Physics	
Statistics	
Computer Programming	
Biology	

General notes on Group 1 courses:

- CHEM 1012, MATH 1010, and PHYC 1290 (or 1190) recommended - Also recommended: STAT 1060 or 2060, STAT 2080, STAT 2450, MATH
- 1030, MATH 2300, PHYC 2050, CSCI 1105 or 1110, CSCI 2202
- Consult the GKE handbook for individual course descriptions to compare against Dal course descriptions.
- In general, only courses that count toward a Dalhousie BSc degree in that discipline are eligible in this category. Eg., PHYC 1451: Astronomy and PHYC 2800: Climate Change do not count.

Group 2A, 2B and 2C – Compulsory, Additional and Other Geoscience

Group 2A - Compulsory Foundation Geoscience (4 courses)

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Field Practice		ERTH 3001 – Field School	Notes:
Mineralogy and Petrology		ERTH 2001 – Mineralogy	
Sedimentation and Stratigraphy		ERTH 3303 – Stratigraphy	
Structural Geology		ERTH 3140 – Structural Geology	

Group 2B - Additional Foundation Geoscience (5 courses; min 1 & max 2 from each subgroup)

PGeo Geology Stream			PGeo Environmental Geoscience Stream		
Geochemistry Geophysics	2380 2270		Geochemistry Geophysics		2380 2270
Igneous Petrology Metamorphic Petrology Sedimentary Petrology	3010 3020 N/A		Hydrology Hydrogeology Engineering Geology		3701 3401 N/A
Sedimentology Geomorphology or Glacial Geology GIS	2203 3440 N/A 3500		Geomorphology or Soil Science Glacial Geology GIS		3440 N/A N/A 3500

Group 2C - Other Geoscience (9 courses at the 2000-level or higher)

- Any ERTH course at or above the 2000-level that counts toward a BSc in ERTH
- Other courses may count as well. e.g., Oceanography, Paleobiology, Engineering
- Consult the GKE handbook for full list of options

Professional Geoscientist boards by province:

NS: https://www.geoscientistsns.ca NB: https://www.apegnb.com NL: https://www.pegnl.ca QC: http://www.ogq.qc.ca ON: https://www.pgo.ca MB: http://www.apegm.mb.ca SK: https://www.apegs.ca AB: https://www.apega.ca BC: https://www.egbc.ca NWT & NU: http://www.napeg.nt.ca



ERTH 4850 Geographic Information Science Research Project (xlist SCIE 4850, ENVS 4850, GEOG 4850)



My Plan

Year:	_		
Fall term		Winter term	
Year:	_		
Fall term		Winter term	
Year:	_		
Fall term		Winter term	
Year:	_		
Fall term		Winter term	
Year:	_		
Fall term		Winter term	
Notes:			