

BSc and BA in Earth Sciences

This flowchart shows the required classes for BSc and BA degrees in Earth Sciences and is distributed for information purposes. Students intending to practice as a professional geoscientist should instead visit www.geoscientistscanada.ca. Consult the Calendar for full requirements and explanation.

YEAR 1
30CRH

1080 GEOL1	CHEM1011	MATH1000 or 1215 ^I	Humanities/Language Elective*	General Elective*
1090 GEOL2	CHEM1012	MATH1010, STAT1060, STAT2060, MATH2030 or MATH2300 ^{##}	Humanities/Language Elective*	General Elective*

YEAR 2
30CRH

2001 Mineralogy	2110 Field Methods	2203 Sediments	Social Science Elective*	General Elective
2002 Petrology	2380 Geochemistry	General Elective	Social Science Elective	General Elective

YEAR 3
30CRH

3001.03 Intermediate Field School				
3303 Stratigraphy	ERTH Elective >2999	General Elective	General Elective	
3140 Structural Geol.	ERTH Elective >2999	General Elective	General Elective	General Elective

YEAR 4
30CRH

ERTH Elective >2999	ERTH Elective >2999	General Elective	General Elective	General Elective
ERTH Elective >2999	ERTH Elective >2999	General Elective	General Elective	General Elective

ERTH REQUIREMENTS FOR DOUBLE MAJOR: Remove 2 classes (6 CRH) of ERTH electives >2999, and complete other subject's requirements instead of these and within classes shown as 'General Electives'. Consult Dal Calendar and the other department for additional Double Major requirements.

CONCENTRATED HONOURS: Complete the Major program, plus 1st year Physics (6CRH), ERTH2270 Geophysics, ERTH4200X/Y and one additional ERTH Elective >2999, all in lieu of General Electives. An ERTH GPA ≥ 3.5 and grade of C in all ERTH classes is required. Application for Honours is made at the end of the penultimate year, with 4200X/Y completed in the final year on approval.

COMBINED HONOURS: See Calendar.

NOTES

Foundation Sciences. CHEM to be taken before 2nd year. MATH/STAT may be deferred but this may cause prerequisite issues. PHYC1190/1290 or 1300XY recommended in lieu of General Elective. ^{##} 2nd MATH/STAT required for BSc, recommended for BA.

Social Science electives: Select from classes specified in the Calendar.

Humanities/Language electives: Select from classes specified in the Calendar.

General Elective: Select from any class, including ERTH classes (consult the Calendar for the maximum number of ERTH classes permitted).

Electives of all types are required to meet Dal degree requirements. The total number of 1xxx credit-hours may not exceed 48.

* The **Dalhousie writing requirement** must be satisfied by completing either (a) a 6CRH Humanities/Language Elective designated as a Writing Course (see Dalhousie Calendar); (b) SUST1000.06 (also meets requirement for Social Science); or (c) SCIE1111 as a General Elective.

ERTH2410 does not count as an ERTH Elective.