

B.Sc. MAJOR in EARTH SCIENCE

(Formerly Geology)

With Geology Stream (P.Geo)

with extra requirements for professional registration qualification

**2026-27
Calendar**

Humanities 6 credit hr	Arts/Comm 12 credit hr	Electives 18 credit hr	MATH/CSCI 6 credit hr	Science Breadth 18 credit hr	MAJOR Subject 60 credit hr
		*	MATH 1210 <u>or</u> 1250	♦ PHYS 1210 University Physics I	ERTH 1200 Understanding the Earth
			MATH 12xx <u>or</u> CSCI 12xx	CHEM 1210 General Chemistry I	ERTH 1201 The Dynamic Earth
				*	ERTH 2301 Mineralogy
				*	ERTH 2302 Optical and Analytical Mineralogy
				*	ERTH 2325 Sedimentation & Stratigraphy
				*	ERTH 2326 Applies Earth Science Techniques*
					ERTH 2400 Field Methods
					ERTH 3305 Geomatics
					ERTH 3306 Geophysics
					ERTH 3312 Igneous Petrology
					ERTH 3313 Metamorphic Petrology
					ERTH 3326 Sedimentary Petrology
					ERTH 3413 Structural Geology
					ERTH 3453 Principles of Geochemistry
					ERTH 4414 Tectonics
					ERTH 3454, 4441, or 4466
					ERTH ≥ 2xxx
					ERTH ≥ 2xxx
					ERTH ≥ 2xxx
					ERTH ≥ 2xxx

NOTES:

* Choose from below, with no more than 6 credit hours per subject in the following subjects:

- Biology (BIOL)
- Chemistry (CHEM, in addition to CHEM 1210)
- Math (MATH, in addition to MATH 1250 or 1210)
- Computer Programming (CSCI 1226, CSCI 1227)
- Physics (PHYS, in addition to PHYS 1210)

***1190 Fundamental courses may not apply here**

♦ ENVS 1250 can be taken in lieu of PHYS 1210

*** Students who completed GEOL 1201 The Dynamic Earth prior to 2025-26 do not need to take GEOL 2326 Applied Earth Science Techniques but it is recommended for those pursuing the PGeo stream**

Light gray = suggested schedule Year 1

Dark gray = suggested scheduled Year 2

Course & Elective Options:

Sciences: Astronomy, Biology, Chemistry, Computing Science, Environmental Science, Geography (Group B only), ~~Earth Science/Geology~~, Mathematics, Physics, Psychology (Excluding ASTR 1010, CHEM 1221, MATH 1202, and MATH 1203)

Arts: Anthropology, Asian Studies, Atlantic Canada Studies, Chinese, Ancient Studies, Criminology, Economics, English, Entrepreneurship, French, German, Geography (Group A, C, D only), Global Development Studies, Health Wellness and Sport in Society, History, Intercultural Studies, Irish Studies, Japanese, Latin, Linguistics, Philosophy, Political Science, Public Humanities & Heritage, Religion, Sociology, Social Justice and Community Studies, Spanish, Women, Gender Studies & Sexuality

Humanities: Ancient Studies, Asian Studies, Atlantic Canada Studies, English, History, Intercultural Studies, Philosophy, Public Humanities & Heritage, Religion, and Modern Languages (courses in literature and/or culture)

Commerce: Accounting, Commerce, Commercial Law, Communications, Economics, Entrepreneurship, Finance, Management, Management Science, Marketing (Excluding MISA courses)