

## B.Sc. MAJOR in EARTH SCIENCE

(Formerly Geology)

*With Environmental Geoscience Stream (P.Geo)*

*with extra requirements for professional registration qualification*

Humanities 6 credit hr	Arts/ECON 12 credit hr	Electives 15 credit hr	MATH/CSCI 6 credit hr	Science Breadth 18 credit hr	MAJOR Subject 63 credit hr
		*	MATH 1210 <u>or</u> 1250	PHYS 1210 University Physics I	GEOL 1200 Understanding the Earth
			MATH 12xx <u>or</u> CSCI 12xx	CHEM 1210 General Chemistry I	GEOL 1201 The Dynamic Earth
				*	ENVS 1250 Energy & the Environment
				*	GEOL 2301 Mineralogy
				*	GEOL 2302 Optical and Analytical Mineralogy
				*	GEOL 2325 Sedimentation & Stratigraphy
					GEOL 2326 Applies Earth Science Techniques*
					ENVS 2400 Applications in Environmental Science
					GEOL 2400 Field Methods
					GEOL 3306 Geophysics
					GEOL 3413 Structural Geology
					GEOL 3453 Principles of Geochemistry
					GEOL 3340 Principles of Hydrogeology
					#GEOL
					#GEOL
					GEOL ≥ 2xxx
					GEOL ≥ 2xxx
					GEOL ≥ 2xxx
					◆ENVS ≥ 2xxx
					◆ENVS ≥ 2xxx
					◆ENVS ≥ 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**

**\* Students who completed GEOL 1201 The Dynamic Earth prior to 2025-26 do not need to take GEOL 2326 Applied Earth Science Techniques.**

# 6 credit hours from GEOL 2373, 3305 and 4475

◆ 9 credit hours from ENVS 2100, 2200, 3410, 3450, 3473, 4431, 4432, 4450, 4460, 4470, 4480, or 4490

---

**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)