

B.Sc. MAJOR in EARTH SCIENCE

(Formerly Geology)

With Environmental Geoscience Stream (P.Geo)

with extra requirements for professional registration qualification

**2025-26
Calendar**

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 Applied 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 but it is recommended for those pursuing the PGeo stream**

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)