

## B.Sc. MAJOR in GEOLOGY

### Program Requirements

with extra requirements for professional registration qualification

Humanities 6 credit hr	Arts/ECON 12 credit hr	Electives 18 credit hr	MATH/CSCI 6 credit hr	Science Breadth 18 credit hr	MAJOR Subject <b>GEOLOGY</b> 60 credit hr
		*	MATH 12xx	PHYS 1210 University Physics I	GEOL 1200 Understanding the Earth
			MATH 12xx or CSCI 12xx	CHEM 1210 General Chemistry I	GEOL 1201 The Dynamic Earth
				*	GEOL 2301 Mineralogy
				*	GEOL 2302 Optical Mineralogy
				*	GEOL 2305 Geophysics
				*	GEOL 2325 Sedimentology
					GEOL 3300 Field Methods
					GEOL 3305 Geomatics
					GEOL 3312 Igneous Petrology
					GEOL 3313 Metamorphic Petrology
					GEOL 3323 Palaeontology: History of Life
					GEOL 3326 Sedimentary Petrology and Stratigraphy
					GEOL 3413 Structural Geology
					GEOL 3453 Principles of Geochemistry
					GEOL 4301 Geological Mapping
					GEOL 4441 Mineral Resources OR GEOL 4466 Petroleum Geology
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A minimum GPA of 2.2 is required in the Major Subject Area

**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)

- ▲ Choose from below:  
 GEOL 3340      GEOL 3410      GEOL 3454      GEOL 4400  
 GEOL 4423      GEOL 4442      GEOL 4450      GEOL 4414  
 GEOL 4465      GEOL 4467      GEOL 4800-4899  
 GEOL 4550      GEOL 4650      GEOL 4441 or 4466  
 (Honours only)      (Honours only)      (depending on which course already completed)

GRAY = suggested schedule Year 1

**Sciences:** Astronomy, Biology, Chemistry, Computing Science, Environmental Science, Geography (Group B only), Geology, Mathematics, Physics, Psychology (Excluding ASTR 1010, CHEM 1221, GEOL 1202, GEOL 1203, GEOL 1210, MATH 1202, and MATH 1203)

**Arts:** Anthropology, Arabic, Asian Studies, Atlantic Canada Studies, Chinese, Ancient Studies (Classics), Criminology, Economics, Education, English, French, German, Geography (Group A, C, D only), Health Wellness and Sport in Society, Hispanic Studies, History, Intercultural Studies, Global Development Studies (International Development Studies), Irish Studies, Japanese, Linguistics, Philosophy, Political Science, Religious Studies, Sociology, Social Justice and Community Studies, Spanish, Women & Gender Studies

**Humanities:** Atlantic Canada Studies, Asian Studies, Ancient Studies (Classics), English, History, Intercultural Studies, Irish Studies, Philosophy, Religious Studies, and Modern Languages (courses in literature and/or culture)