

# B.Sc. MAJOR in GEOLOGY

## Program Requirements

*with extra requirements for professional registration qualification*

**2019-20**  
**Calendar**

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 <b>or</b> 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 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 4441 Mineral Resources
					GEOL 4466 Petroleum Geology
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### 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 3305 | GEOL 3340 | GEOL 3410      | GEOL 3454 |
| GEOL 4300 | GEOL 4400 | GEOL 4414      | GEOL 4423 |
| GEOL 4450 | GEOL 4465 | GEOL 4800-4899 | GEOL 4442 |
- GEOL 4550 (Honours only)

GRAY = suggested schedule Year 1

**Course & Elective Options:**

**Arts:** Anthropology, Arabic, Asian Studies, Atlantic Canada Studies, Chinese, Classics, Economics, English, French, German, Geography, Hispanic Studies, History, Irish Studies, Japanese, Linguistics, Philosophy, Political Science, Religious Studies, Sociology, Spanish, Women & Gender Studies

**Humanities:** Classics, English (other than 1205), History, Philosophy, Religious Studies and Modern Languages (courses in literature and/or culture)