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1	Earth Science (Geology) Prerequisites 2025-26	
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4	Course Title	Prerequisites
5	GEOL 1200 Understanding Earth	N/A
6	GEOL 1201 The Dynamic Earth	N/A
7	GEOL 1202 Planet Earth: Atlantic Canada Perspective	N/A
8	GEOL 1203 Earth History Atlantic Canada Perspective	N/A
9	GEOL 1204 Geology for Engineers	N/A
10	GEOL 1206 Global Change	N/A
11	GEOL 1207 Environment, Radiation Society	N/A
12	GEOL 1208 Environmental Geology: Atlantic Canada Perspective	N/A
13	GEOL 1209 Geomology	N/A
14	GEOL 1210 Dinosaurs and Their Worlds	N/A
15	GEOL 1211 Atlantic Ocean	N/A
16	GEOL 1212 Mining & Society: Exploitation to Sustainability	N/A
17	GEOL 1214 Intro to Geology: Earth Materials	N/A
18	GEOL 1215 Intro to Geology: Earth Processes	N/A
19	GEOL 2301 Mineralogy	GEOL 1200 or GEOL 1204 (may be taken concurrently)
20	GEOL 2302 Optical and Analytical Mineralogy	GEOL 2301
21	GEOL 2325 Sedimentation and Stratigraphy	GEOL 1200 or GEOL 1201
22	GEOL 2326 Applied Earth Science Techniques	GEOL 1200 or GEOL 1204 and one of the following: GEOL 1201, 1202, 1203, 1206, 1208, 1211 or GEOG 1200
23	GEOL 2373 Geomorphology	GEOG 1200 or GEOL 1200 or GEOL 1201
24	GEOL 2400 Field Methods	GEOL 1200, 1201, 2326 and permission of the instructor
25	GEOL 3213 Applied Geomorphology	GEOL 2373[GEOG 2313] or GEOG 2333
26	GEOL 3305 Geomatics	GEOL 3300
27	GEOL 3306 Geophysics	GEOL 1200 and 1201
28	GEOL 3312 Igneous Petrology	GEOL 2302
29	GEOL 3313 Metamorphic Petrology	GEOL 2302
30	GEOL 3323 Paleontology: History of Life	one of GEOL 1200, 1201, 1202, 1208, BIOL 1211, BIOL 1212
31	GEOL 3326 Sedimentary Petrology	GEOL 2302 and GEOL 2325
32	GEOL 3330 Intro to Micropalaeontology	GEOL 3323
33	GEOL 3340 Principles of Hydrogeology	GEOL 1200 and 1201
34	GEOL 3386 Concepts in GIS Analysis	GEOL 3305 or GEOG 2386
35	GEOL 3410 Environmental Impact Assessment	45 credit hours including one of: ENVS 2200, 2300, 2310, 2400
36	GEOL 3413 Structural Geology	GEOL 1200 and 1201
37	GEOL 3444 River Dynamics, Landforms	GEOL 2373[GEOG 2313] or GEOL 2325[GEOG 2325]
38	GEOL 3453 Principles of Geochemistry	GEOL 1200, GEOL 1201 and CHEM 1210
39	GEOL 3454 Analytical & Environmental Geochemistry	GEOL 1200, GEOL 1201, GEOL 2301 and GEOL 2302 (can be taken concurrently)
40	GEOL 4301 Geological Mapping	GEOL 3300, and GEOL 3305
41	GEOL 4400 International Field Camp	GEOL 3300 and permission of the instructor
42	GEOL 4414 Tectonics	GEOL 1200, GEOL 1201, GEOL 3414 (can be taken concurrently)
43	GEOL 4423 Advanced Palaeontology	GEOL 3323
44	GEOL 4441 Mineral Resources	GEOL 1200, 1201, GEOL 2301 and GEOL 2302 (can be taken concurrently)
45	GEOL 4442 Economic Geology Field School	GEOL 4441
46	GEOL 4450 Advanced Igneous Petrology	GEOL 3312 and GEOL 3313
47	GEOL 4465 Advanced Sedimentology	GEOL 2325 [GEOG 2325] and GEOL 3326
48	GEOL 4466 Petroleum Geology	GEOL 1200, 1201, 2305 and 2325 (latter two courses can be taken concurrently)
49	GEOL 4467 Organic Geochemistry	GEOL 1200 or GEOL 1201, and at least 3 credit hours in CHEM
50	GEOL 4475 Glaciers and Glaciation	GEOG 2313[GEOL 2373] or GEOL 2325[GEOG 2325]
51	GEOL 4476 Coastal Geomorphology	GEOG 2313[GEOL 2373] or GEOL 2325[GEOG 2325]
52	GEOL 4496 Applications in GIS	GEOG 3356 or GEOG 3386 [GEOL 3386]
53	GEOL 4550 Honours Project GEOL	Honours Standing
54	GEOL 4650 Research Methods in Geology	Honours Standing