

B.Sc Double Minor Geography and Earth Sciences - Flexible Stream**Feb 24, 2008****YEAR 1****Recommended Options (see Note 1)**

ENGL 115	3 College Composition
ENGL 225	3 Business and Technical Writing
MATH 100 or 121	3 Calculus I.
MATH 101 or 122	3 Calculus II.
GEO 111	4 Geology I
GEO 112	4 Geology II
GEOG 101	3 Environmental Geog.
Lower level science (Dept A)	4 100-level PHYS/CHEM/BIO/CSCI
Lower level science (Dept A)	4 100-level PHYS/CHEM/BIO/CSCI
Elective - science/art	3

CHEM 111/112 or CHEM 121/122 (prereq for CHEM 301/ 302)

ECON 211 (prerequisite for ECON 330)

34**YEAR 2**

GEO 200	3 Mineralogy & Petrology
GEO 201	3 Sedimentology and Stratigraphy
GEO 202	3 Earth Structures
GEO 206	3 Field Geology and Geological Mapping
GEOG 211	3 Atmospheric Environments
GEOG 212	3 Earth Environments
GEOG 226 or 228	3 Spatial Analysis
MATH 211	3 Statistics I.
Elective - science/art	3

27**YEAR 3 and 4**

Earth Science UL	3	GEO 300/301/302/304/308/312/380/390/470/480 or 490
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Earth Science UL	3	GEO 300/301/302/304/308/312/380/390/470/480 or 490

GEO 300 or 302

GEO 304 or 308

GEO 312 or 301

GEO 380 or GEO 390

GEO 480 or 490

GEO 470

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GEOG 322	3 Geog. Communication
GEOG 328	3 GIS
Physical Geography	3 GEOG 372/373/374 or 376
Physical Geography	3 GEOG 372/373/374 or 376
Physical Geography	3 GEOG 372/373/374 or 376
U.L. GEOG	3 GEOG 372/373/374/376/ 326 or 428

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U.L. Elective	3	See Note 3
U.L. Elective	3	See Note 4
Other A.	3	See Note 3
Other B.	3	See Note 3
Other C.	3	See Note 4
Other D.	3	See Note 3
Other E.	3	See Note 4

21**NON-SCIENCE**

Non-Science	3	ECON 330/PHIL 233 (Note 2)
Non-Science	3	ECON 330/PHIL 233 (Note 2)

TOTALS. 124

Note 1 - These are recommended options to ensure a relatively broad knowledge base in upper level Earth Science course

Note 2 - ECON 330 requires ECON 211 (ECON 212 preferred), PHIL 233 requires a 100-level course in Philosophy, Biology, Economics, Geography

Note 3 - Suggested Geology Courses GEO 300/301/302/304/308/312/380/390/470/480 or 490 that haven't been taken above or CHEM 301/302 or FRST 151/152 or RMT0

Note 4 - Suggested Geography Courses GEOG 240/350/352/452/456/467/468 or 491 (Natural Resource Management, Field Studies or Research Project)

COURSE TITLES

GEO 300 - Igneous and Metamorphic Petrology	GEOG 240 - Economic Geography
GEO 301 - Cave/karst Systems & Landscapes	GEOG 322 - Geographic Communication
GEO 302 - Mineral Resources	GEOG 326 - Remote Sensing
GEO 304 - Hydrogeology	GEOG 328 - GIS
GEO 308 Geochemistry	GEOG 350 - Natural Resource Management
GEO 312 - Environmental Geology	GEOG 352 - Managing Natural and Social Capital
GEO 380 - Earth Science Work Experience	GEOG 372 - Climatology
GEO 390 - Special Field Studies	GEOG 373 - Biogeography
GEO 470 - Earth Science Issues in BC	GEOG 374 - Hydrology
GEO 480 - Earth Senior Work Experience	GEOG 376 - Geomorphology
GEO 490 - Directed Studies in Earth Science	GEOG 452 - Natural Resource Assessment
CHEM 302 - Atmospheric Environmental Chemistry	GEOG 456 - Issues in Natural Resource Management
CHEM 301 - Aqueous Environmental Chemistry	GEOG 467 - Field Studies in Geography I
RMT 302 - Environmental Monitoring	GEOG 468 - Field Studies in Geography II
ECON 330 - Environmental Economics	GEOG 491 - Research Project
PHIL 233 - Environmental Ethics	
FRST 151/152 - Forest Soils	