

Environmental Geoscience Subjects	University of Saskatchewan Courses	Applicant Courses
Group 1A Compulsory Foundation Science (Total 3 Eus, one in each subject)		
Chemistry	CHEM 112.3 or 114.3	
Mathematics	MATH 110.3 or 123.3	
Physics	1/2 of PHYS 111.6 or 1/2 of PHYS 121.6 or PHYS 115.3 (GE 124.3 before 2014 only) or PHYS 155.3	
Group 1B Additional Foundation Science (Total 6 Eus, no more than 2 in any subject)		
Biology	BIOL 110.6 or 120.3, 121.3, 122.3, any BIOL 3cu course (200 level or higher that has any of these as a prerequisite)	
Chemistry	CHEM 115.3, any CHEM 3cu course (200 level or higher that has any of these as a prerequisite), BMSC 200.3	
Computer Programming	CMPT 111.3 or 113.3 or 116.3 or 140.3, 115.3 or 141.3, 117.3 or 145.3, any CMPT 3cu course (200 level or higher that has any of these as a prerequisite)	
Mathematics	MATH 112.3 or 116.3 or Math 124.3, Math 164.3, any MATH 3cu course (200 level or higher that has any of these as a prerequisite)	
Physics	1/2 of PHYS 111.6 or 1/2 of PHYS 121.6 or PHYS 117.3 or PHYS 125.3, any PHYS 3cu course (200 level or higher that has any of these as a prerequisite)	
Statistics	STAT 241.3, 242.3 or 245.3 or 246.3 or PLSC 214.3 (PLSC 314.3) or GE 210.3, any 3cu STAT course (300 level or higher that has any of these as a prerequisite)	
Group 2A Compulsory Foundation Geoscience (4 Eus, one in each subject)		
Field Techniques	GEOG 290.3 or GEOG 390.3	
Mineralogy and Petrology.	GEOL 224.3 or 226.3	
Sedimentation and Stratigraphy	GEOL 245.3	
Structural Geology	GEOL 258.3	
2B Additional Foundation Geoscience (5 EUs, min 1 per group, no more than one per subject)		
Geochemistry	GEOL 229.3	
Geophysics	GEOL 282.3, 384.3, 334.3, 335.3	
Hydrogeology		
Hydrology	GEOG 225, GEOG 325, GEOG 328	
Engineering Geology	GEOE 218.3	
Geomorphology or Soil Science	GEOG 235.3, GEOG 335.3, SLSC 232 (332), SLSC 313, EVSC 220	
Glacial Geology	GEOG 335.3	
Remote Sensing or GIS	GEOG 323.3 or GEO 222.3	

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Group 2C Other Geoscience/Science (Minimum Total 9 EUs)		
<p>Must be at a second year level or higher, acceptable for science credit toward a degree in science, applied science or engineering and relevant to geoscience Extra subjects not used in 2A and 2B can be used in 2C. No one subject can be used to cover more than one requirement The following groupings of subject areas could be used to satisfy the knowledge requirements for the other geoscience/science (2C). Within each subject area are listed possible topics that could be used to satisfy the requirements. The list is not meant to be exhaustive, but is provided as guide to topics that could satisfy the geoscience knowledge requirements.</p>		
Communication		
Thesis Technical Writing	GEOL 490.3, GEOL 492.6 or GEOG 490.3	
Earth Systems	GEOL 206	
Climatology Meteorology Oceanography Paleoenvironmental Studies Paleoclimatology Paleoecology Paleobiology	GEOG 233, GEOL 330.3	
Environmental Assessment	GEOG 386.3, GEOG 486.3	
Field Techniques	GEOG 290.3, GEOG 390.3	
Geochemistry	GEOL 229.3 if not used in 2B	
Environmental Geochemistry Isotope Geochemistry Aqueous Geochemistry Biogeochemistry Atmospheric Geochemistry Low temperature Geochemistry	EVSC 420.3, SLSC 313.3, TOX 301.3, TOX 310.3 GEOL 429.3 GEOL 413.3	
Geomorphology/Surficial Geology		
Geomorphology Natural Hazards Quaternary Geology Pedology Glaciology	GEOG 235.3, GEOG 335.3, GEOG 435.3 EVSC 210.3, 220.3, 232.3, SLSC 313.3, 232.3	

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Geophysics		
Environmental Geophysics Exploration Geophysics Applied Geophysics	GEOL 334.3, 335.3, 481.3, 482.3, 483.3 GEOL 384.3 if not used in 2B, GEOL 411.3	
Geotechnical		
Engineering Geology Soil Mechanics Rock Mechanics Resource Geotechnics	GEOE 218.3 SLSC 322.3 GEOE 315.3	
Hydrology/Hydrogeology		
Contaminant Transport Hydrogeology Hydrology Fluid Mechanics	GEOG 328.3, GEOE 475.3 GEOG 225.3, GEOG 325.3, GEOG 427.3	
Mineralogy/Petrology		
Crystallography X-Ray Crystallography Analytical Methods	GEOL 451.3	
Paleontology	GEOL 247.3, 433.3, 447.3	
Micropaleontology Paleobiology Palynology	GEOL 435.3 GEOL 437.3, 439.3	
Quantitative Analysis		
Geostatistics Computer Applications in Geoscience Geographic Information Systems	GEOG 302.3 GEOG 222.3 GEOG 322.3	
Regional Geology		
Geology of Canada Geology of North America	GEOL 445.3, GEOG 351.3, SLSC 480 GEOL 444.3	
Remote Sensing		
Remote Sensing Airphoto Interpretation	GEOG 323.3 GEOG 321.3	

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<p>Resource Geology</p> <p>Economic Geology Mineral Deposits Geology Ore Petrology Coal Geology Petroleum Geology Industrial Minerals</p> <p>Sedimentology</p> <p>Chemical Sedimentology Clastic Sedimentology Carbonate Sedimentology Glacial Geology Limnogeology</p> <p>Stratigraphy</p> <p>Historical Geology Sequence Stratigraphy Stratigraphic Paleontology Geochronology</p> <p>Structure</p> <p>Global Tectonics Tectonics Structural Geology</p> <p>Other acceptable</p> <p>Global considerations in Geology</p>	<p>GEOL 465.3</p> <p>GEOL 463.3</p> <p>GEOL 446.3 if not used in 2B GEOL 343.3 if not used in 2B</p> <p>GEOG 335.3 if not used in 2B GEOL 450.3</p> <p>GEOL 448.3</p> <p>GEOL 358.3</p> <p>GEOL 406.3</p> <p>Note: Geol 398.3 and Geol 498.3 may be acceptable. You should check, as these are special topics classes that change from year to year.</p>	