

APEGS / CCPG Knowledge Requirement Course List in Environmental Geoscience, University of Regina
 Revised: June 2021
 (courses in brackets are no longer offered)

Groups		Environmental Geoscience	U of Regina normal courses	Applicant Courses
3	1A Compulsory Foundation Science (Total 3 EUs) (1 EU in each area required)	Chemistry Mathematics Physics	CHEM 104, 105, 230, (102), (103) MATH 110, 111 (105) PHYS 109, 111, 112, 119	
6	1B Additional Foundation Science (Total 6 EUs) (6 EUs required, no more than 2 Additional Science EUs in any one subject.)	Biology Chemistry Computer Programming Mathematics Physics Statistics	BIOL 100 and 101 <u>or</u> 140 <u>or</u> 150 (higher level 3 Cu courses in biology that have any of these as a prerequisite and are acceptable as science credits in a science degree may also be acceptable) CHEM 104, 105, 140, 230, (102), (103) (higher level 3Cu courses in Chemistry that have any of these as a prerequisite and are acceptable as science credits in a science degree may also be acceptable; note: Chem 100 is not acceptable) CS 110, (130), (109) (higher level 3Cu courses in Computer Science that have any of these as a prerequisite and are acceptable as science credits in a science degree may also be acceptable; note: Comp100 is not acceptable.) MATH 110, 111, 122, (105) (higher level 3 Cu courses in Math that have any of these as a prerequisite and are acceptable as science credits in a science degree may also be acceptable; note: Math 101, 102, 103 and 104 are not acceptable) PHYS 109, 111, 112, 119 (higher level 3 Cu courses in Physics that have any of these as a prerequisite and are acceptable as science credits in a science degree may also be acceptable; note: Phys 140 and 142 are not acceptable) STATS 100 or 160 or (151) (higher level 3 Cu courses in Statistics that have any of these as a prerequisite and are acceptable as science credits in a science degree may also be acceptable)	
4	2A Compulsory Foundation Geoscience (Total 4EUs) (1 EU in each area required)	Field Techniques Mineralogy and Petrology. Sedimentation and Stratigraphy Structural Geology	GEOG 411, GEOL 396, 496 GEOL 210, 211, 313, 315, 413 GEOL 314, 340 GEOL 353 or 250, 453 or 350	

APEGS / CCPG Knowledge Requirement Course List in Environmental Geoscience, University of Regina
 Revised: June 2021
 (courses in brackets are no longer offered)

Groups	<i>Environmental Geoscience</i>	<i>U of Regina normal courses</i>	<i>Applicant Courses</i>	
5 2B	<p>Additional Foundation Geoscience (Minimum Total 5 EUs) (5 EUs required. Geology and Environmental Geoscience - a minimum of 1 and at most 2 from each sub-group; Geophysics - no more than 1 from each sub-group) Only one in any given subject.</p>	<p>Geochemistry Geophysics</p> <hr/> <p>Hydrogeology or Hydrology Engineering Geology</p> <hr/> <p>Geomorphology or Soil Science Glacial Geology Remote Sensing</p>	<p>GEOL 307 or 471 GEOL 460</p> <p>GEOG 327, GEOL 371, 474, 476</p> <p>GEOG 323 or GEOG 329 or GEOL 329 GEOG 429 or GEOL 429 GEOG 309</p>	
9 2C	<p>Other Geoscience/Science (Minimum Total 9 EUs) (9 EUs must be from the EUs list or must be at a second 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.</p>	<p>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> <p>Communication</p> <p>Thesis Technical Writing</p> <p>Earth Systems</p> <p>Climatology Meteorology Oceanography Paleoenvironmental Studies Paleoclimatology Paleoecology Paleobiology</p> <p>Environmental Assessment</p> <p>Field Techniques</p> <p>Geochemistry Environmental Geochemistry</p> <p>Isotope Geochemistry Aqueous Geochemistry Biogeochemistry Atmospheric Geochemistry Low temperature Geochemistry</p> <p>Geomorphology/ Surficial</p> <p>Geomorphology Natural Hazards Quaternary Geology Pedology Glaciology</p> <p>Geophysics Environmental Geophysics Exploration Geophysics Applied Geophysics</p>	<p>GEOG 499AA + AB or AC; GEOL 400AA + 400AB or 400 AC</p> <p>GEOL 201, 240, 430 (GEOG 221), GES 431 (GEOG 431), BIOL 356 GEOG 421 GEOG 321, 421</p> <p>GEOG 325, BIOL 476</p> <p>BIOL 476</p> <p>GES 400 (formerly ENST 400)</p> <p>GEOL 396, 496, GEOG 411</p> <p>GEOL 307, 471 or 473</p> <p>BIOL 456</p> <p>GEOG 323, GEOG 423 GEOG 333 GEOG 429 or GEOL 429 GEOG 329 or GEOL 329 GEOG 429 or GEOL 429</p> <p>GEOL 460 GEOL 460</p>	

APEGS / CCPG Knowledge Requirement Course List in Environmental Geoscience, University of Regina
 Revised: June 2021
 (courses in brackets are no longer offered)

Groups		Environmental Geoscience	U of Regina normal courses	Applicant Courses
2C	Continued	<p>Geotechnical Engineering Geology Soil Mechanics Rock Mechanics Resource Geotechnics</p> <p>Hydrology/Hydrogeology Contaminant Transport Hydrogeology Hydrology Fluid Mechanics</p> <p>Mineralogy/Petrology Crystallography X-Ray Crystallography Analytical Methods</p> <p>Paleontology Micropaleontology Paleobiology Palynology</p> <p>Quantitative Analysis Geostatistics Computer Applications in Geoscience Geographic Information Systems</p> <p>Regional Geology Geology of Canada Geology of North America</p> <p>Remote Sensing Remote Sensing Airphoto Interpretation</p> <p>Resource Geology Economic Geology Mineral Deposits Geology Ore Petrology Coal Geology Petroleum Geology Industrial Minerals</p> <p>Sedimentology Chemical Sedimentology Clastic Sedimentology Carbonate Sedimentology Glacial Geology Limnogeology</p> <p>Stratigraphy Historical Geology Sequence Stratigraphy Stratigraphic Paleontology Geochronology</p> <p>Structure Global Tectonics Tectonics Structural Geology</p> <p>Other acceptable</p>	<p>GEOG 329 or GEOL 329</p> <p>GEOL 474, 476 GEOG 327</p> <p>GEOL 210, 211</p> <p>GEOL 241 or (220) GEOG 325, BIOL 476</p> <p>(GEOG 205, 305) GEOL 490 GEOG 303, 409 , 203</p> <p>GEOL 451, 452</p> <p>GEOG 309, GEOL 490 GEOG 207</p> <p>GEOL 270 GEOL 470 GEOL 470</p> <p>GEOL 472, 473</p> <p>GEOL 414, 314 GEOL 416 GEOL 429 or GEOG 429</p> <p>GEOL 340 GEOL 240</p> <p>GEOL 452 GEOL 353 or (250), 453 or (350)</p> <p>GEOG 497AA-ZZ and/or GEOL 490-495AA-ZZ (reading courses if topic acceptable)</p>	
27	Minimum EU Requirement TOTAL			