

Suggested Order of Required Courses for Environmental Geoscience Majors *

(Updated May 2025)

	Year 1	Year 2**	Year 3	Year 4
Fall	ESc 102 ESc 201 (Geol/ESc 102>60%) Ges 121 Chem 104 Phys 109+119 or 111+112 Math 110 Stat 100 or 160 Cs 110 Eng 100 or 110	ESc 210 (ESc 201>65%) ESc 240 (ESc 102) Ges 323 (Ges 121) Biol 100 or 101	ESc 307 (Chem 105, ESc 201/ESc 211) ESc 314 (ESc 201, 211) ESc329/Ges329 (Ges121) ESc 353 (ESc201, 211)	One additional 3 rd year course*** (if not yet completed) or two additional 4 th year courses (if not completed) ****
Winter	ESc 102 ESc 201 (ESc 102>60%) Ges 121 Chem 105 (Chem 104) Phys 109+119 or 111+112 Math 110 Stat 100 or 160 Cs 110 Eng 100 or 110	Ges 203 (Any 100-level Ges course) ESc 211 (ESc 210, Chem104) ESc 241 (ESc 240)** or ESc 270 (ESc 102)** One additional 3 rd year course*** Biol 100 or 101	ESc 460 (Math 110, Phys 119, ESc 201) Ges 327 (Ges 121) One additional 3 rd year course*** or two additional 4 th year courses****	Required courses not completed in 3 rd year One additional 3 rd year course*** (if not yet completed) or two additional 4 th year courses (if not completed) ****
Spring/Summer	ESc 102	ESc 396 (6 classes in Earth Sciences-18 crd)	ESc 396 (6 classes in Earth Sciences-18 crd)	

* ESc courses used to be Geol courses, so the courses taken as Geol courses are equivalent to those listed as ESc courses. ESc/GES/Chem courses in **bold** are mandatory and should be taken as soon as possible as they are necessary to complete the program in a timely manner. Courses in parentheses are prerequisites. Ges 121 is not mandatory for the Environmental Geoscience Program, but it is prerequisite for Ges 323 and GES329, which are mandatory.

** One of ESc241/ESc270/GES207 is required. Note that some of these courses may not be offered every year.

*** Options for 300-level courses include (note that all are not necessarily offered every year):

ESc340, GES 303, 309, 321, 333, or 325, Biol356, ENEV 321, 322, 334, 363, or 384.

**** Options for the two 400-level courses (each is not necessarily offered every year – consult with the Departments of Geology and Geography & Environmental Studies for their availability) are:
 ESc400AA, 400AB, 400AC, 414, 416, 429, 430, 451, 453, 454, 470, 472, 473, 476, 490AH, 496, GES421, 423, 429, 431, 499AA 499AB, 499AC, BIOL 456, ENEV 422, 440, or 480.

Note: 1) For the one APEGS approved Science elective, consult with the departmental Environmental Geoscience advisor regarding the APEGS requirements. There is a list of courses that are acceptable by APEGS and those that are not.
 2) Biol456 cannot be used as a substitute for ESc307 (this was an error in an old course catalogue).