



Program of Study Guidelines
 122 total credit hours for the degree
 Full time schedule: 15+ credits per semester

rev. September 2021

GEOLOGY & ENVIRONMENTAL GEOSCIENCES

PROPOSED SCHEDULE (subject to change)

Core courses listed are for GEOL and for **GENV** majors.

Courses are 4 credits/6 contact-hour, lecture + lab format, unless noted.

SPRING 2022		FALL 2022		
250: Introduction to Geochemistry (or CHEM 112^)		253: Earth System Science*		
272: Stratigraphy and Sedimentation		256: Mineralogy/Petrology		
291: Water Resources		291: Water Resources (tentative)		
333: Paleobiology		352: Structural Geology		
		492: Senior Seminar		
SPRING 2023		FALL 2023		
250: Introduction to Geochemistry (or CHEM 112^)		253: Earth System Science*		
272: Stratigraphy and Sedimentation		256: Mineralogy/Petrology		
291: Water Resources		291: Water Resources		
313: Critical Zone Science (3 hr)*		352: Structural Geology		
333: Paleobiology		492: Senior Seminar		
SUMMER FIELD STUDIES COURSES (choose one)				
GEOL 360: Geology (New Mexico). Every Maymester	GEOL 362: Environ. Geosci. (Colorado)* 2023 - Summer 1	GEOL 364: Water Resources (India). 2022 - Summer 1	GEOL 365: Environ. Geosci. (South Africa). 2023	GEOL 366: Paleontology (Wyoming). 2022 - Summer 1

Core courses for GENV are in red.

* New Course

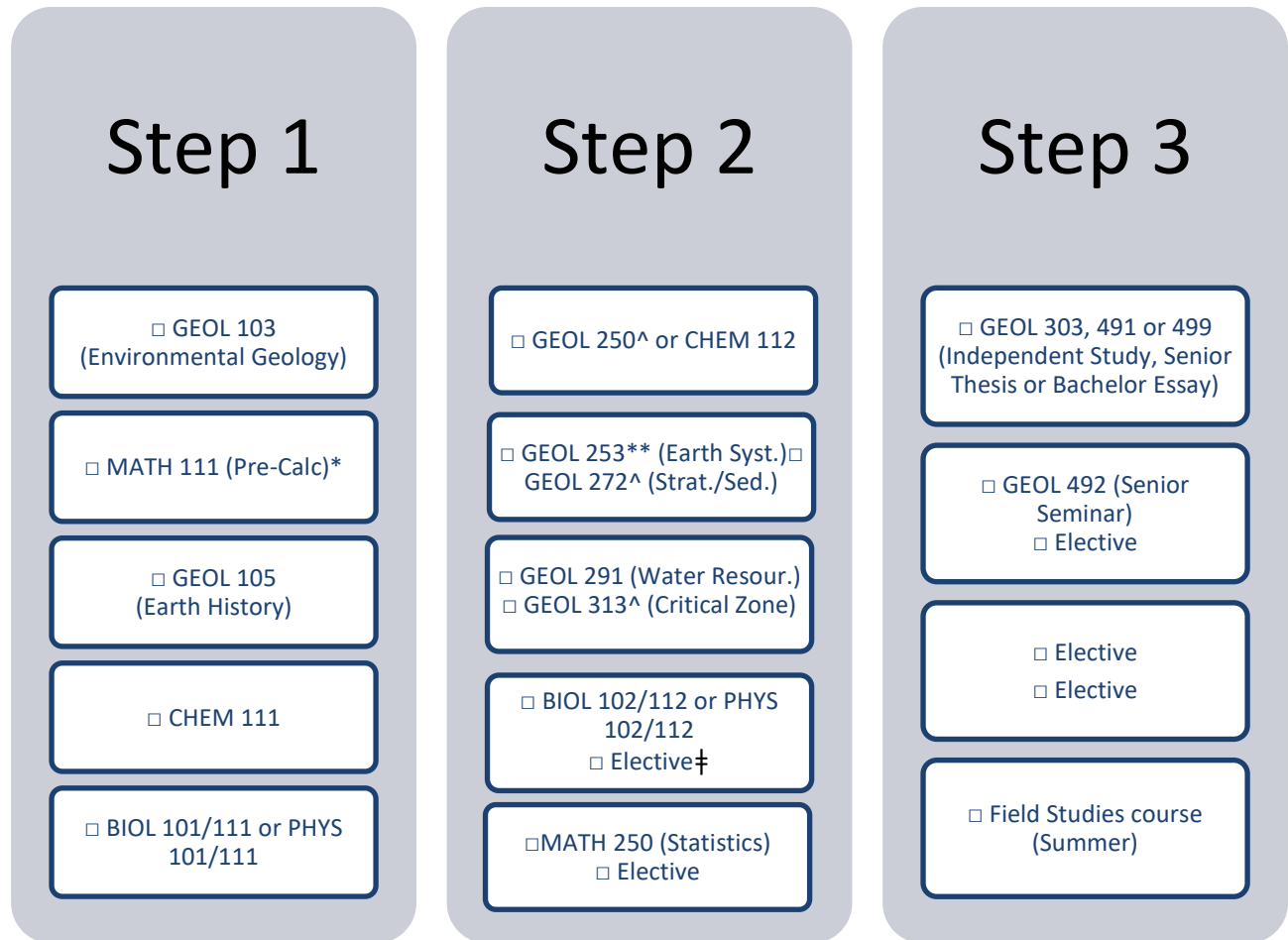
^See Chemistry Department for course schedule



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* Students should first complete MATH 110 (formerly MATH 101) if they did not place into MATH 111 (Pre-Calc).

** Usually Fall only ^ Usually Spring only

‡ Students must take 3 credits from a selected list of BIOL, CHEM, ECON, PHYS, POLS or URST courses

Contact the Department for more information:
callahant@cofc.edu or whitekl@cofc.edu



COLLEGE of
CHARLESTON

DEPARTMENT OF GEOLOGY AND
ENVIRONMENTAL GEOSCIENCES

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Required Courses:

[GEOL 103 Environmental Geology \(3\)](#)
[GEOL 103L Environmental Geology Laboratory \(1\)](#)
[GEOL 105 Earth History \(3\)](#)
[GEOL 105L Earth History Laboratory \(1\)](#)
[GEOL 253 Earth Systems Science \(4\)](#)
[GEOL 272 Stratigraphy and Sedimentation \(4\)](#)
[GEOL 291 Water Resources \(4\)](#)
[GEOL 313 Critical Zone Science \(3\)](#)
[GEOL 362 \(4\) OR GEOL 364 \(4\) OR GEOL 365 \(4\) \[All are Field Studies\]](#)
[GEOL 492 Senior Seminar \(1\)](#)

Complete 15 or more Credit Hours of:

(at least 6 of these credit hours must be at the 250-level):

[GEOL 213 Natural Hazards \(3\)](#)
[GEOL 240 Special Topics in Geology \(1-4\)](#)
[GEOL 257 Marine Geology \(4\)](#)
[GEOL 275 Geomorphology \(4\)](#)
[GEOL 288 Global Change \(3\)](#)
[GEOL 303 Independent Study in Geology \(1-3\)](#)
[GEOL 312 Environmental Field Methods \(3\)](#)
[GEOL 320 Earth Resources \(3\)](#)
[GEOL 385 Internship \(1-4\)](#)
[GEOL 395 Special Topics in Geology \(1-4\)](#)
[GEOL 399 Tutorial \(1-3\)](#)
[GEOL 402 Geospatial Science \(4\)](#)
[GEOL 412 Crustal Geophysics \(3\)](#)
[GEOL 438 Hydrogeology \(4\)](#)
[GEOL 441 Pollution in the Environment \(4\)](#)
[GEOL 442 Geological Application of Remote Sensing \(4\)](#)
[GEOL 449 Geographical Information Systems \(4\)](#)
[GEOL 469 Advanced GIS - Environmental and Hazards Modeling \(4\)](#)
[GEOL 491 Senior Thesis](#)
[GEOL 495 Special Topics \(1-4\)](#)
[GEOL 499A Bachelor's Essay \(3\)](#)
[GEOL 499B Bachelor's Essay \(3\)](#)



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University requirements:

Humanities, First Year Experience, English requirements with checkboxes and credit descriptions.

Foreign Language, History, Social Science requirements with checkboxes and descriptions.

Course number, semester

Form for listing course numbers and semesters for First Year Experience, Foreign Language, Humanities, Social Sciences, English, and History.

*English 101 and 102 are not offered by College of Charleston but continue to be available through approved credit [Advanced Placement (AP), International Baccaulaureate (IB), or Transfer (TR)].