

SUMMER and FALL 2024 - B.S. Geology

This list includes the required courses and elective options for the BS Geology major. The Geology **minor** requires GEOL 1200, GEOL 1200L, GEOL 1210, GEOL 1210L, and 12 credits of electives. Elective courses for the minor can be selected from the Elective Options on this list in addition to the major required courses as long as they are at or above the 3000-level. General information regarding registration can be found here: <https://ninercentral.charlotte.edu/courses-registration/registration-information>. Important dates (add/drop and graduation) can be found here:

https://registrar.charlotte.edu/printable-calendar?field_semester_tid=3&field_school_year_tid=77. For questions about the Geology major or minor, contact the undergraduate coordinator Valerie Reynolds (vreynol2@charlotte.edu).

Summer Elective Courses	Offering	Prerequisites
GEOL 3190 (3) - Environmental Geology (Hippensteel)	1st session Online asynchronous	GEOL 1200 and GEOL 1200L
GEOL 3190 (3) - Environmental Geology (Hippensteel)	2nd session Online asynchronous	GEOL 1200 and GEOL 1200L
GEOG 3120 (3) - Fundamentals of GIS	1st session Online asynchronous	GEOG 1103 or ESCI 2210 or permission of instructor

Fall Courses	Offering	Prerequisites
<u>REQUIRED COURSES</u>		
ESCI 1101 (3) - Earth Science-Geography (3)	MWF 9:05-9:55 (Stone) MWF 10:10-11:00 (Online synchronous Armour) MWF 12:20-1:10 (Stone) TTh 11:30-12:45 (Vinson) TTh 2:30-3:45 (Armour)	None
ESCI 1101L (1) - Earth Science-Geography Lab (1) (Various)	18 Sections	ESCI 1101 or take concurrently with ESCI 1101L
GEOL 1200 (3) - Physical Geology	TTh 10:00-11:15 (Stone) TTh 11:30-12:45 (Armour) TTh 1:00-2:15 (Stone) MWF 10:10-11:00 (Armour) Online asynchronous (Bobyarchick)	None

GEOL 1200L (1) - Physical Geology Lab (1) (Various)	12 Sections	GEOL 1200 or take concurrently with GEOL 1200L
GEOL 3115 (4) - Mineralogy (Reynolds)	TTh 10:00-11:15 AND T 2:30-5:15	GEOL 1200 and GEOL 1200L; CHEM 1251 and CHEM 1251L (pre- or corequisite)
GEOL 3124 (4) - Sedimentology (Hippensteel)	TTh 11:30-12:45 AND TTh 1:00-2:15	GEOL 1210 and GEOL 3115
GEOL 3130 (4) - Structural Geology (Bobyarchick)	TTh 10:00-11:15 AND T 2:30-5:15	GEOL 3115
<u>ELECTIVE OPTIONS</u>		
ESCI 4140 (4) - Hydrologic Processes (Allan)	MWF 9:05-9:55 AND W 2:30-5:15	ESCI 1101 and ESCI 1101L OR GEOL 1200 and GEOL 1200L
ESCI 4170 (4) - Fund. Remote Sensing (Chen) ESCI 3101 Conflict on F	TTh 10:00-11:15 AND F 8:00-11:00	ESCI 1101 OR GEOL 1200
ESCI 4201 (3) - Hydroclimatology (Scheff)	MW 1:00-2:15	ESCI 3101
ESCI 3101 (3) - Global Environmental Change (Scheff) ESCI 4170 Conflict on F	MWF 10:10-11:00	ESCI 1101 OR METR 1102
ESCI 3105 (3) - Oceanography (Syverson)	MW 4:00-5:15	ESCI 1101 and GEOL 1200
GEOG 3120 (4) Fundamentals of GIS (Nilsson)	1) M 11:15-2:15 AND M 5:30-8:15 2) M 2:30-5:15 AND W 2:30-5:15	GEOG 1103 or ESCI 2210