

## FALL 2023 - 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> For questions about the Geology major or minor, contact the undergraduate coordinator Valerie Reynolds ([yreynol2@uncc.edu](mailto:yreynol2@uncc.edu)).

| Course                                                                       | Offering                                                                                  | Prerequisites                                                               |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b><u>REQUIRED COURSES</u></b>                                               |                                                                                           |                                                                             |
| ESCI 1101 (3) - Earth Science-Geography (3)<br>(Vinson, Armour, TBD x 3)     | MWF 9:05-9:55<br>MWF 10:10-11:00<br>MWF 12:20-1:10<br>TR 2:30-3:45<br>Online asynchronous | 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 (3)<br>(Armour, Garcia, Bobyarchick, TBDx1) | TR 10:00-11:15<br>TR 11:30-12:45<br>TR 1:00-2:15<br>MW 2:30-3:45<br>Online asynchronous   | None                                                                        |
| GEOL 1200L (1) - Physical Geology Lab (1) (Various)                          | 12 Sections                                                                               | GEOL 1200 or take concurrently with GEOL 1200L                              |
| GEOL 3115 (4) - Mineralogy (Reynolds)                                        | TR 10:00-11:15<br>T 2:30-5:15                                                             | GEOL 1200 and GEOL 1200L;<br>CHEM 1251 and CHEM 1251L (pre- or corequisite) |
| GEOL 3124 (4) - Sedimentology (Hippensteel)                                  | TR 11:30-12:45<br><b>AND</b><br>TR 1:00-2:15                                              | GEOL 1210 and GEOL 3115                                                     |
| GEOL 3130 (4) - Structural Geology (Bobyarchick)                             | TR 10:00-11:15<br><b>AND</b><br>T 2:30-5:15                                               | GEOL 3115                                                                   |

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| <b><u>ELECTIVE OPTIONS</u></b>                                  |                                              |                                                                                   |
| ESCI 4140 (4) - Hydrologic Processes (Allan)                    | MWF 9:05-9:55<br><b>AND</b><br>W 2:30-5:15   | ESCI 1101 and ESCI 1101L <b>OR</b><br>GEOL 1200 and GEOL 1200L                    |
| ESCI 4170 (4) - Fund. Remote Sensing (Chen)                     | TR 10:00-11:15<br><b>AND</b><br>F 8:00-11:00 | ESCI 1101 OR GEOL 1200                                                            |
| ESCI 4201 (3) - Hydroclimatology (Scheff)                       | MW 1:00-2:15                                 | ESCI 3101                                                                         |
| ESCI 4210 (4) - Soil Science (Eppes)                            | TR 1:00-2:15<br><b>AND</b><br>R 2:30-5:15    | GEOL 1200 and GEOL 1200L and ESCI 1101 and ESCI 1101L or permission of instructor |
| ESCI 3101 (3) - Global Environmental Change (Scheff)            | MWF 10:10-11:00                              | ESCI 1101 OR<br>METR 1102                                                         |
| ESCI 3105 (3) - Oceanography (Syverson)                         | MW 4:00-5:15                                 | None                                                                              |
| GEOL 4165 (3) - Aqueous and Environmental Geochemistry (Vinson) | MWF 12:20-1:10                               | GEOL 1200 and lab,<br>CHEM 1251 and lab, and<br>CHEM 1252 and lab                 |