

Geology (Minor)

The Department of Marine, Earth and Atmospheric Sciences offers a minor in Geology to majors in any field except geology. This program provides a means of recognition for students in any field who have a curiosity about the materials, structures and processes of the solid earth.

Admissions

Admission into this minor program requires that the student be in good academic standing at the university. Application for admission to any University minor program is now available via MyPack Portal. Admission will be based upon the student's academic record, and in most cases no longer requires departmental review. Go to Add a Minor (<https://studentservices.ncsu.edu/your-degree/coda-home/add-a-minor/>) to apply.

Requirements for Completion of the Minor

Students must complete one gateway course, MEA 110 Geology I Laboratory, MEA 202 Geology II: Historical, MEA 211 Geology II Laboratory, and 7 additional credit hours from the list of minor elective courses. All course work must be letter-graded and completed with a C or better.

Contact Person

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Plan Requirements

- A grade of 'C' or better in at all course work used toward minor.

Code	Title	Hours
Gateway Course		
Select one of the following:		3-4
MEA 100	Earth System Science: Exploring the Connections	
MEA 140	Natural Hazards and Global Change	
MEA 101	Geology I: Physical	
MEA 150	Environmental Issues in Water Resources	
MEA 200	Introduction to Oceanography	
Required Courses		
MEA 110	Geology I Laboratory	1
MEA 202	Geology II: Historical	3
MEA 211	Geology II Laboratory	1
Elective Courses		
Select 6-7 credits		6-7
MEA 300	Environmental Geology	
MEA 369	Life on Earth: Principles of Paleontology	
MEA 409	Watershed Forensics	
MEA 410	Introduction to Mineralogy	
MEA 411	Marine Sediment Transport	
MEA 440	Igneous and Metamorphic Petrology	
MEA 450	Introductory Sedimentology and Stratigraphy	

MEA 451	Structural Geology	
MEA 465	Geologic Field Camp	
MEA 466	Preparatory Course for Field Camp	
MEA 470	Introduction to Geophysics	
MEA 471	Exploration and Engineering Geophysics	
MEA 481	Geomorphology: Earth's Dynamic Surface	
MEA 485	Introduction to Hydrogeology	
MEA 493	Special Topics in MEAS ¹	
Total Hours		14-16

¹ Enrollment in special topics courses should be approved by the minor coordinator in advance to ensure they are appropriate and relevant to the minor.