

SPRING 2024- B.S. Earth and Environmental Sciences

****NOTE:** Students who plan to declare a Biology minor but haven't completed a BIOL course at UNCC will need to fill out this form to register: [Biological Sciences Registration Overrides Request](#)

This course list is for the Earth & Environmental Sciences major. Courses in **bold** are required for the Earth & Environmental Sciences minor. Answers to common registration questions can be found [HERE](#). If you have additional questions, please contact your advisor or the Undergraduate Coordinator Dr. Valerie Reynolds vreynol2@charlotte.edu. Please see the **notes** section below.

REQUIRED COURSES (# credits)	Day/Time	Prerequisites
ESCI 1101 - Earth Science-Geography (3)	MWF 12:20-1:10	None
	MWF 10:10-11:00	
	Online asynchronous	
	MWF 9:00-9:55	
	TR 1:00-2:15	
ESCI 1101L - Earth Science-Geography Lab (1)	Various	None
GEOL 1200 - Physical Geology (3)	TTh 2:30-3:45	None
	TTh 11:30-12:45	
	TTh 1:00-2:15	
	Online asynchronous	
	TTh 10:00-11:15	
GEOL 1200L - Physical Geology Lab (1)	Various	None
ESCI 1501 - Environment, Society, and Sustainability (3)	MWF 10:10-11:00	None
ESCI 2210 - Field Methods (3)	F 10:10-12:55	GEOL 1200 and GEOL 1200L and ESCI 1101 and ESCI 1101L
	F 1:25-4:15	
ESCI 2222 - Environmental Science (3) (replaced ESCI 2101)	TTh 11:30-12:45	ESCI 1101

ESCI 3101 - Global Environmental Change (3)	MWF 11:15-11:05	ESCI 1101 OR METR 1102
ESCI 3205 - Water Resources (3)	TTh 10:00-11:15	ESCI 2222, ESCI 2101 or permission of instructor
GEOL 3105 Mineral Resources (3)	TTh 1:00-2:15	GEOL 1200
<u>ELECTIVE OPTIONS</u>		
ESCI 3000 - Topics in Regional Geography:Global Environmental Justice (3)	TTh 11:30-12:45	None
ESCI 3000 - Topics in Regional Geography: Sustainability Field Study in the Peruvian Amazon (3)	Th 4:00-6:45	None
ESCI 3310 - National Parks (3)	TTh 4:00-5:15	ESCI 1101 and ESCI 1101L OR GEOL 1200 and GEOL 1200L
ESCI 4000/GEOL 4000 - Topics in Earth Science: Groundwater Hydrology (3)	TTh 1:00-2:15	GEOL 1200 and GEOL 1200L OR ESCI 1101 and ESCI 1101L
ESCI 4122 - Statistics and Data Analysis in Earth Science (3)	TTh 10:00-11:15	STAT 1220 or STAT 1221 or STAT 1222
ESCI 4155 - Fluvial Processes (4)	MWF 9:05-9:55 Lab W 2:30-5:15	None
ESCI 4180 - Digital Image Processing in Remote Sensing (4)	TTh 1:00-2:15 Lab F 8:00-11:15	None
ESCI 4214 - Global Ecosystems (3)	Online asynchronous	ESCI 1101 or ESCI 1501
ESCI 4600 - Earth and Environmental Sciences Seminar (1)	W 12:15-1:05 W 12:20-1:10	ESCI 1101 and ESCI 1101L OR GEOL 1200 and GEOL 1200L
GEOG 3120 - Fundamentals of GIS (4)	M 2:30-5:15	GEOG 1103 OR ESCI 2210
	M 5:30-8:15	
	M 2:30-5:15 W 2:30-5:15	

GEOG 3180 - Hazards and Disasters (3)	TTh 1:00-2:15	GEOG 1105 or GEOG 1501
GEOG 3215 - Environmental Planning (3)	TR 4:00-5:15	None
GEOG 4131 - Env. Modeling with GIS (4)	M 8:00-10:45 Th 5:30-8:15	GEOG 3120
GEOG 4215 - Urban Ecology (3)	TTh 11:30-12:45	ESCI 2222 or permission of instructor
GEOG 4250 - Food, Migration, and Place (3)	TTh 2:30-3:45	None
GEOL 3190 Environmental Geology (3)	Online	GEOL 1200 and GEOL 1200L
GEOL 4115 Applied Geophysics (4)	Lecture online Lab Th 2:30-5:15	GEOL 1200
METR 3210 - Atmospheric Thermodynamics (3)	MW 2:30-3:45	METR 3140 and MATH 1241 or ENGR 1241
METR 3250 - Dynamic Meteorology (3)	TTh 2:30-3:45	METR 3245 and MATH 1242 and PHYS 2101
METR 4205 - Climate Dynamics (3)	MW 2:30-3:45	ESCI 3101 and METR 4105

General advising notes:

- Students who need ESCI 2101 should take ESCI 2222. Students under the old minor will need permission from the instructor if they haven't had ESCI 1101. Other students will not be given permission.
- Students are required to take MATH 1241 Calculus I, which is not the same as MATH 1120 Calculus.
- Students who have taken BIOL 2120 or higher are not required to take BIOL 1110. Email Valerie Reynolds for a substitution request.
- Students who have not completed their LBST requirements must do so by the end of the Spring 2024 semester.
- If you see any discrepancies in Degreeworks, please contact Valerie Reynolds.