

SUMMER and FALL 2024 - B.S. Earth and Environmental Sciences

This list includes the required courses and elective options for the **BS Earth and Environmental Sciences** major offered in fall 2024. For general questions about registration, visit [Registration Information | Niner Central | UNC Charlotte](#). For questions about the Earth and Environmental Sciences major or minor, contact the undergraduate coordinator Valerie Reynolds (vreynol2@uncc.edu).

****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 for Fall 2023: [Biological Sciences Registration Overrides Request](#)**

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
GEOG 3180 (3) - Hazards and Disasters (Collins)	1st session Online asynchronous	GEOG 1105 or GEOG 1501
GEOG 3215 (3) - Environmental Planning (Williams)	2nd session TTh 3:30-7:00	None

Fall Courses	Offering	Prerequisites
<u>REQUIRED COURSES</u>		
ESCI 1101 (3) - Earth Science-Geography	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 (Various)	18 Sections	ESCI 1101 or take concurrently with ESCI 1101L

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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 (Various)	12 Sections	GEOL 1200 or take concurrently with GEOL 1200L
ESCI 1501 (3) - Environment, Society, and Sustainability (Hoover)	TTh 11:30-12:45	None
ESCI 2101 Environmental Dilemma** (Replaced with ESCI 2222)	n/a	n/a
ESCI 2210 (3) - Field Methods	T 8:30-11:15 (TBD) F 10:10-12:55 (Armour)	ESCI 1101 AND ESCI 1101L AND GEOL 1200 AND GEOL 1200L
ESCI 2222 (3) Environmental Science (Garcia)	TTh 10:00-11:15	ESCI 1101 AND ESCI 1501
ESCI 3101 (3) - Global Environmental Change (Scheff)	MWF 10:10-11:00	ESCI 1101 OR METR 1102
<u>RESTRICTED ELECTIVE OPTIONS</u>		
ESCI 3105 (3) - Oceanography (Syverson)	MW 4:00-5:15	GEOL 1200 AND ESCI 1101
ESCI 3190 (3) - Biogeography (Garcia) (this is the same course as GEOG 3190)	TTh 11:30-12:45	BIOL 1110 OR ESCI 2222
ESCI 3220 (3) - Air Quality (Magi)	TTh 1:00-2:15	ESCI 2222 OR ESCI 3101
ESCI 4000 (4) - Freshwater Ecosystems (Clinton)	MWF 1:25-2:15 AND M 2:30-5:15	ESCI 1101
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) - Fundamentals of Remote Sensing (Chen)	TTh 10:00-11:15 AND F 8:00-11:00	ESCI 1101 OR METR 1102 AND GEOL 1200

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ESCI 4201 (3) - Hydroclimatology (Scheff)	MW 1:00-2:15	ESCI 3101
GEOG 3102 (3) - Plant Geography (Fall)	Online asynchronous	ESCI 1101 OR ESCI 1501
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
GEOG 3180 (3) - Hazards and Disasters (Collins)	TTh 1:00-2:15	GEOG 1105 OR GEOG 1501
GEOG 3215 (3) - Environmental Planning	MW 4:00-5:15 (Williams)	None
GEOG 3250 (3) - World Food Problems (Strickland)	MW 2:30-3:45	None
GEOL 3124 (4) - Sedimentology (Hippensteel)	TTh 11:30-12:45 AND TTh 1:00-2:15	GEOL 1210 AND GEOL 3115
METR 3140 (3) - Fundamentals of Meteorology (Shirley)	MWF 12:20-1:10	ESCI 1101 OR METR 1102
METR 3220 (3) - Physical Meteorology (Magi)	TTh 10:00-11:15	METR 3210 with a C
METR 3245 (4) - Synoptic Meteorology (Shirley)	TTh 11:30-12:45 AND M 2:30-5:15	METR 3210 with a C
METR 4110 (3) - Atmospheric Instrumentation (Eastin)	MWF 11:15-12:05	METR 3210 with a C

IMPORTANT!!!

**Students who need ESCI 2101 Environmental Dilemma should take ESCI 2222 Environmental Science.