



**DEGREE WORKSHEET FOR:
BS Earth Sciences, Geology Emphasis
2019-2020 Catalog
Degree Requirements – 120 credits**

YEAR 1- FALL (15 credits)	2019	YEAR 1- SPRING (15 credits)	2020
GEOL 201 Physical Geology	4 credits	GEOL 202 Historical Geology	4 credits
Liberal Arts Core ¹ (Include ENG 122 LAC Area 1a)	9 credits	University Elective Credits ²	2 credits
University Elective Credits ¹	2 credits	ESCI 330 Data Analysis	3 credits
		Liberal Arts Core ¹	6 credits
YEAR 2- FALL (15 credits)	2020	YEAR 2-SPRING (15 credits)	2021
SCI 291 Scientific Writing (LAC Area 6)	3 credits	MATH 132 Calculus II (LAC Area 2)	4 credits
CHEM 111 Principles of Chemistry I (LAC Area 6)	4 credits	CHEM 112 Principles of Chemistry II	4 credits
CHEM 111 Principles of Chemistry I Lab (LAC Area 6)	1 credits	CHEM 112L Principles of Chemistry II Laboratory	1 credits
MATH 131 Calculus I (LAC Area 2)	4 credit	Liberal Arts Core ¹	6 credits
GEOL/ESCI Elective Credits ³	3 credits		
YEAR 3- FALL (14 credits)	2021	YEAR 3- SPRING (16 credits)	2022
GEOL 320 Mineralogy	4 credits	PHYS 221 Introductory Physics II	5 credits
ESCI 349 Earth Science Professional Seminar	1 credits	GEOL 421 Igneous & Metamorphic Petrology	4 credits
GEOL 340 Paleontology	4 credits	GEOL 460 Geomorphology	4 credits
PHYS 220 Introductory Physics I (LAC Area 6)	5 credits	GEOL/ESCI Elective ³	3 credits
YEAR 4- FALL (14 credits)	2022	YEAR 4- SPRING (16 credits)	2023
GEOG 210 Introduction to GIS an GPS	3 credits	GEOL 481 Geologic Field Techniques	3 credits
GEOL/ESCI Elective	3 credits	ESCI 492 Earth Sciences Internship ⁶	6 credits
GEOL 450 Sedimentology and Stratigraphy	4 credits	University Elective Credits ¹	3 credits
GEOL 470 Structural Geology	4 credits	GEOL/ESCI Elective Credits ³	3 credits

Admission Requirement – No separate admission requirement.

Minor Required – No Minor required.

Notes – see page 2.

Contact Information – Department of Earth and Atmospheric Sciences

Ross Hall Room 3235, 970-351-2647

Program Web Page: <http://esci.unco.edu/>

This worksheet is a recommended schedule to complete your bachelor's degree in 4 years. Every UNC student must meet the following requirements in order to graduate with a bachelor's degree: earn a minimum of 120 semester credit hours; possess a minimum of a 2.00 cumulative grade point average; have at least 40 credit hours in courses designated as Liberal Arts Core; meet all degree requirements in the student's major field of study. Each major and/or emphasis may have additional requirements necessary for graduation. **Students must consult with their major advisor to receive information on any additional graduation requirements.**

BS Earth Sciences, Geology Emphasis (cont.)

Notes

1. Students need additional Liberal Arts Core courses in the following areas to meet requirements: Area 1: 3 credits Area 2: None Area 3: 6-9 credits
Area 4: 3 credits Area 5: 3-6 credits Area 6: None Area 7: 3 credits
Area 8: 3 credits Area 7 and Area 8 can also be used for Areas 3, 4, or 5
2. You need to complete 8 credits of University-wide Electives.
3. Electives – you must choose 12 credits from any GEOL or ESCI courses that are numbered 300 or higher.
4. No more than 8 credit hours of AST, ESCI, GEOL, MET, and OCN courses numbered below 200 may be counted toward the major.
5. A 2.0 grade point average in the courses taken as part of this major is required for graduation.
6. ESCI 492 (1-15) and/or ESCI 491 (1-6) These could be transferred in from an advisor approved geology field camp or advisor approved internship.

The science of geology explores the physical makeup of the earth, the processes that shape it and the history of its development. This program provides a broad background in geology and emphasizes the study of geology in the field and in the laboratory.

Graduates of the geology program will be prepared for entry-level positions as geologists in the petroleum mining, and environmental industries, in local, state and federal governmental agencies and in a variety of engineering and geological consulting firms. The program also provides the background necessary for admission to graduate programs in geology and related fields.