



**DEGREE WORKSHEET FOR:
BS Earth Sciences, Geology Emphasis
2012-2013 Catalog
Degree Requirements – 120 credits**

YEAR 1- FALL (14 credits)		YEAR 1- SPRING (15 credits)	
ENG 122 College Composition (LAC Area 1a)	3 credits	GEOL 202 Historical Geology	4 credits
GEOL 201 Physical Geology	4 credits	Earth Sciences Electives ³	4 credits
MATH 124 College Algebra (LAC Area 2)	4 credits	Liberal Arts Core ¹ /Electives ²	7 credits
Liberal Arts Core ¹ /Electives ²	3 credits		
YEAR 2- FALL (16 credits)		YEAR 2-SPRING (16 credits)	
GEOL 320 Mineralogy	4 credits	GEOL 421 Igneous/Metamorphic Petrology	4 credits
MATH 131 Calculus I (LAC Area 2)	4 credits	MATH 132 Calculus II (LAC Area 2)	4 credits
CHEM 111 Principles of Chemistry I (LAC Area 6)	5 credits	Earth Sciences Electives ³	5 credits
SCI 291 Scientific Writing (LAC Area 1b)	3 credits	Liberal Arts Core ¹ /Electives ²	3 credits
YEAR 3- FALL (16 credits)		YEAR 3- SPRING (15 credits)	
GEOL 340 Paleontology	4 credits	Earth Sciences Electives ³	5 credits
GEOL 470 Structural Geology	4 credits	Liberal Arts Core ¹ /Electives ²	10 credits
PHYS 220 Introductory Physics I (LAC Area 6)	5 credits		
Liberal Arts Core ¹ /Electives ²	3 credits		
YEAR 4- FALL (14 credits)		YEAR 4- SPRING (14 credits)	
Liberal Arts Core ¹ /Electives ²	10 credits	GEOL 460 Geomorphology	3 credits
GEOL 450 Sedimentology and Stratigraphy	4 credits	GEOL 481 Geologic Field Techniques	2 credits
		Liberal Arts Core ¹ /Electives ²	9 credits

Admission Requirement – No separate admission requirement.

Minor Required – No Minor required.

Notes – see page 2.

Contact Information – School of Earth Sciences and Physics

Earth Sciences Program

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

- ¹Students 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
- ²You need to complete 33 credits of University-wide Electives.
- ³Earth Sciences electives – you must choose 14 credits from the following courses: BIO 111 (4 credits), CHEM 112 (5 credits), PHYS 221 (5 credits), or any GEOL courses that are open to majors.
- No more than 8 credit hours of AST, ESCI, GEOL, MET, and OCN courses numbered below 200 may be counted toward the major.
- A 2.0 grade point average in the courses taken as part of this major is required for graduation.

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.