DEGREE WORKSHEET FOR:
BS Earth Sciences, Environmental Emphasis
2018-2019 Catalog
Degree Requirements – 120 credits

YEAR 1- FALL (15 credits)		YEAR 1- SPRING (16 credits)	
GEOL 201 Physical Geology	4 credits	MET 205 General Meteorology (LAC Area 6)	4 credits
MATH 131 Calculus I (LAC Area 2)	4 credits	STAT 150 Intro. to Statistics (LAC Area 2)	3 credits
ENG 122 College Composition (LAC Area 1a)	3 credits	SCI 291 Scientific Writing (LAC Area 1b)	3 credits
ESCI 200 Intro to Environmental Earth Sci (LAC Area 6)	4 credits	Liberal Arts Core[1]/Electives[2]	6 credits
YEAR 2- FALL (15 or 16 credits)		**YEAR 2-SPRING (14 credits)**	
OCN 301 Phys. & Chem. Oceanography	4 credits	GEOG 210 Intro GIS and GPS	3 credits
Choose MATH 132 or STAT 260	3 or 4 credits	Liberal Arts Core[1]/Electives[2]	6 credits
CHEM 111 Principles of Chemistry I (LAC Area 6)	4 credits	CHEM 112L Principles of Chemistry II Laboratory	1 credits
CHEM 111 Principles of Chemistry I Lab (LAC Area 6)	1 credit	CHEM 112 Principles of Chemistry II	4 credits
Liberal Arts Core[1]/Electives[2]	3 credits		
YEAR 3- FALL (15 credits)		**YEAR 3- SPRING (16 credits)**	
ESCI 474 Principles of Hydrology	3 credits	GEOL 460 Geomorphology	3 credits
Liberal Arts Core[1]/Electives[2]	7 credits	GEOL 410 Groundwater Geology	3 credits
PHYS 220 Introductory Physics I (LAC Area 6)	5 credits	Liberal Arts Core[1]/Electives[2]	3 credits
		Program Electives[3]	7 credits
YEAR 4- FALL (16 credits)		**YEAR 4- SPRING (12-13 credits)**	
Field Course[4]	3 credits	MET 452 Paleoclimatology	3 credits
Program Electives[3]	7 credits	GEOL 483 Soils	3 credits
Liberal Arts Core[1]/Electives[2]	6 credits	Program Electives[3]	6 or 7 cr.

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, Environmental Emphasis (cont.)

Notes

1 [1]Students need additional Liberal Arts Core courses in the following areas to meet requirements:
Area 1: None Area 2: None Area 3: 6-9 credits* Area 4: 3 credits
Area 5: 3 credits* Area 6: None Area 7: 3 credits* Area 8: 3 credits*
*Some Area 7 and Area 8 can also be used for Areas 3 or 5

2 [2]You need to complete 10 credits of University-wide Electives.

3 [3]Earth Sciences electives – 20 to 21 credits of which 12 should be from a. and the remainder from b.

a. You must choose a minimum of 12 credits from any GEOL, MET, ESCI, or OCN courses that are numbered above the 199 level. Up to 3 credits of ESCI 491 or ESCI 492 exceeding requirement 4 may count.
b. Supporting Discipline Credits: Remaining credits should be numbered 300 or higher from GEOL, MET, ESCI, OCN, PHYS, CHEM, BIOL, MATH, ENST, GEOG, ECON, STAT, SCI.

4 [4]3 credits of an approved field course is required, such as GEOL 390, GEOG 391, ESCI 492, ESCI 491, ESCI 496. Up to 3 credits of ESCI 491 or ESCI 492 in excess of this requirement may count toward requirement 3a.

5 No more than 8 credit hours of AST, ESCI, GEOL, MET, and OCN courses numbered below 200 may be counted toward the major.

6 Upper-level courses are generally taught only one semester per year (and some every other year) and are listed on the planning sheet in the semester they are generally offered. In this plan courses are listed in order of required prerequisites first.

7 Science and mathematics courses approved for the Liberal Arts Core that are taken as part of this major may also be used to satisfy Liberal Arts Core requirements.

8 A 2.0 grade point average in the courses taken as part of this major is required for graduation.

The multidisciplinary Environmental Earth Sciences emphasis is intended for individuals who wish to pursue careers with responsibilities that include environmental monitoring, regulation or management. Students may prepare for entry-level positions in environmental industry or governmental agencies, or for graduate education in such fields as resource management, environmental public policy and environmental law. The program also is well suited for anyone with a serious interest in the scientific aspect of environmental issues. The flexibility of the program allows students to customize the program for their individual interests and goals, under the guidance of an adviser.