

# Land Use, B.S., Geology Concentration

## Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028

### College of Letters, Arts, and Sciences

Catalog 14-15

This sheet applies to the 2014-15 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	33 min	
Major courses	65	
Electives	22	
Total to graduate (min. 40 hrs upper-division)	120 min	

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

**\*TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS**

Written Communication

- ENG 1010 (3 hrs) Composing Arguments\*
- or** ENG 1008/1009 (6 hrs.) Intro to Composition, Parts 1 & 2\*
- ENG 1020 (3 hrs) Freshman Comp: Analysis, Research, & Documt.  
(ENG 1020 must be completed within 45 credit hours)

Oral Communication\*

- (3 hrs)

Quantitative Literacy\*

- (3 hrs.)

Arts and Humanities

- (3 hrs.)
- (3 hrs.)

Historical

- (3 hrs.)

Natural and Physical Sciences

- (3 hrs.)
- (3 hrs.)

Social and Behavioral Sciences I

- (3 hrs.)

Social and Behavioral Sciences II

- (3 hrs.)

Global Diversity

- (3 hrs.) may be satisfied within General Studies

**MAJOR CORE COURSES (Please see LUS Advisor in EAS department)**

- GEG 1220 (2 hrs) Map Use
- GEG 1610 (1 hr) Introduction to Planning
- GEL 1010 (4 hrs) Physical Geology
- OR** GEG 1100 (3 hrs) Introduction to Physical Geography
- GEG 4950 (2-15 hrs) Internship in Land Use
- OR** GEL 4950 (2-15 hrs) Internship in Geology
- OR** ENV 4950 (2-15 hrs) Internship in Environmental Science
- GIS 2250 (3 hrs) Introduction to GIS (CIS 1010 is a prereq for this)
- MTH 1210 (4 hrs) Introduction to Statistics

**Geology Concentration:**

- ENV 4000 (3 hrs) Environmental Geology
- ENV 4010 (3 hrs) Environmental Hazards and GIS
- ENV 4970 (3 hrs) Environmental Field Studies
- GEL 1030 (4 hrs) Historical Geology
- GEL 3050 (4 hrs) Intro to Mineralogy and Optical Mineralogy
- GEL 3060 (4 hrs) Stratigraphy and Structure
- GEL 3120 (4 hrs) Geomorphology
- GEL 3150 (3 hrs) Hydrogeology
- GEL 3420 (4 hrs) Soil Resources
- GEL 3440 (4 hrs) Energy and Mineral Resources
- GEL 4150 (3 hrs) Hydrology
- GIS 4860 (4 hrs) GIS Applications

**Major Electives - see catalog for approved courses.** Select a minimum of 7hrs in consultation with your LUS advisor in EAS department.

Multicultural Requirement

(may be satisfied within General Studies, major, minor or elective)

**ELECTIVES**