

Land Use, B.S., Geology Concentration
Also see: Individualized Degree Program for Applied Geology B.S.
 Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028
 College of Letters, Arts, and Sciences

Catalog 15-16

This sheet applies to the 2015-16 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

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

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*

- ___ MTH 1110 (4 hrs.) College Algebra
 OR MTH 1112 (4hrs.) College Algebra through Modeling
 OR MTH 1400 (4 hrs.) Precalculus
 OR MTH 1410 (4 hrs.) Calculus I

Arts and Humanities

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

Historical

- ___ (3 hrs.)

Natural and Physical Sciences Can take MTR courses but not ENV, GEG, GEL or SCI courses

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

Social and Behavioral Sciences I Cannot take GEG courses

- ___ (3 hrs.)

Social and Behavioral Sciences II

- ___ (3 hrs.)

Global Diversity

- ___ may be satisfied within General Studies

- ___ 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 1220 (3 hrs.) Introduction to Geospatial Science
 ___ GIS 2250 (3 hrs.) Geographic Information Systems
 ___ 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 3420 (4 hrs.) Soil Resources
 ___ GEL 3440 (4 hrs.) Energy and Mineral Resources
 ___ GEL 4150 (4 hrs.) Hydrology (Surface Water)
 ___ GEL 4250 (4 hrs.) Hydrogeology (Groundwater)
 ___ GIS 4860 (4 hrs.) GIS Applications

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

Multicultural Requirement

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

ELECTIVES