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

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 selection.

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*
- MTH 1110 (4 hrs.) College Algebra
- OR MTH 1112 (4 hrs.) 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

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

- GEG 1610 (1 hr.) Introduction to Planning
- GEL 1010 (4 hrs.) Physical Geology
- OR GEG 1100 (3 hrs.) Introduction to Physical Geography
- OR 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