

Land Use, B.S., Geographic Information Systems Concentration

303-556-3143 Science Building 2028

Catalog 10-11

This sheet applies to the 2010-2011 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	34 min	Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.
Major courses	65	
Electives	21	
Total to graduate (min. 40 hrs upper-division)	120 min	

GENERAL STUDIES

Composition

- ___ ENG 1010-3 Freshman Comp: the Essay
- ___ ENG 1020-3 Freshman Comp: Anal., Rsrch & Docum.

Mathematics

- ___ MTH 1110-4 College Algebra
- or** MTH 1400-4 Precalculus
- or** MTH 1410-4 Calculus

Communications

- ___ -3

Historical

- ___ -3

Arts & Letters

- ___ -3
- ___ -3

Social Sciences (see faculty advisor)

- ___ -3
- ___ -3

Natural Sciences (see faculty advisor)

- ___ -3
- ___ -3

Multicultural Requirement

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

- ___ -3

REQUIRED CORE

- ___ GEG 1220-2 Map Use
- ___ GEG 1610-1 Introduction to Planning
- ___ GEG 4950-2 Internship in Land Use
- or** GEL 4950-2 Internship in Geology
- or** ENV 4950-2-15 Internship in Environmental Science
- ___ GEL 1010-4 Physical Geology
- or** GEG 1100-3 Introduction to Physical Geography
- ___ GIS 2250-3 Introduction to Geographic Information Systems
- ___ MTH 1210-4 Introduction to Statistics

Students must complete each course with a grade of "C" or better. Cannot take pass/fail.

MAJOR COURSES

- ___ GEG 3610-3 Principles of Land Use Planning
- ___ GIS 2710-2 Global Positioning Systems
- ___ GIS 3250-3 Cartography
- ___ GIS 4840-3 Remote Sensing
- ___ GIS 4850-4 Spatial Modeling in Raster
- ___ GIS 4860-4 GIS Applications
- ___ GIS 4870-3 Spatial Databases
- ___ GIS 4890-3 Advanced GIS Project (Senior Experience)

Electives: Select courses from the following list for a total of at least 46 hrs.:

- ___ CIS 1247-4 Intro to Programming: Visual Basic
- ___ GIS 4880-1-3 Current Topics in GIS: Variable Topics
- ___ MTH 3240-4 Environmental Statistics

Required Area of Interest: Select 19 hours from Areas of Interest listed in the catalog or design one with approval of departmental advisor or select a minor in Computer Science; (CS), CIS, General Business, International Business, Marketing, or Criminal Justice and Criminology.