

## LAND USE MAJOR FOR BACHELOR OF SCIENCE

### Environment and Resources Concentration

The land use major is a 65 hour extended major that combines general planning courses with a focused area of study (concentration), including environment and resources, geographic information systems, geology, or urban land use planning, linked by the vital thread of land use management. Students will receive a Bachelor of Science degree except when their concentration is urban land use planning in which case the student will receive a Bachelor of Arts degree. The major equips students with a dynamic foundation for understanding issues and solving problems that confront the community and environment, making them highly competitive in the job market. The program is broad in scope and can be applied to a number of career objectives and graduate school programs. Opportunities exist in such areas as cartography, environment and resource management, environmental science, geographic information systems, geology, mining and mineral resources, planning, population analysis, recreational land use, remote sensing, residential and industrial development, transportation, and a variety of other interrelated fields. Because the land use degree is an extended major, it does not require a minor. **Each student must have a department advisor and consult with his/her advisor regarding course work to avoid prerequisite problems.**

<b>Required Core</b>	<b>Semester Hours</b>
___ GEG 1220 Map Use .....	2
___ GEG 1610 Introduction to Planning .....	1
___ GEL 1010 General Geology .....	4
___ GEG 4950 Internship in Land Use	
-or-	
___ GEL 4950 Internship in Geology .....	2
___ GIS 2250 Introduction to Geographic Information Systems .....	3
___ MTH 1210 Introduction to Statistics .....	4
<i>Required Core Total</i> .....	16
<b>Required Concentration Courses</b>	
___ CET 3320 Environmental Impact Statements .....	3
___ ENV 1200 Introduction to Environmental Science .....	3
___ ENV 1400 World Resources .....	3
___ ENV 3400 Water Resources .....	3
___ ENV 4000 Environmental Geology .....	3
___ ENV 4010 Environmental Hazards and Planning .....	3
___ ENV 4200 Environmental Policy and Planning .....	3
___ ENV 4430 Habitat Planning .....	2
___ ENV 4960 Global Environmental Challenges (Senior Experience)	
-or-	
___ ENV 4970 Environmental Field Studies (Senior Experience) .....	3
___ GEL 3150 Hydrogeology .....	3
___ GEL 3420 Soil Resources .....	4
___ GEL 3440 Energy and Mineral Resources .....	4
<i>Required Concentration Courses Total</i> .....	37
<b>Required Major Electives (Select a minimum of 12 credit hours)</b>	
___ COM 3670 Writing for the Environmental Industry .....	3
___ ECO 3450 Environmental Economics .....	3
___ ENV 4410 Water Law .....	3
___ ENV 4420 Wetlands .....	3
___ GEG 3610 Principles of Land Use Planning .....	3
___ GEL 3450 Advanced Geologic and Environmental Hazards – Denver and Vicinity .....	2
___ GEL 4150 Hydrology .....	3
___ GIS 4840 Remote Sensing (recommended) .....	3
___ GIS 4850 Advanced Geographic Information Systems .....	3
___ GIS 4860 Applications of ARC/INFO to Natural Resources Management (recommended) .....	3
<i>Subtotal</i> .....	12
<b>Major Total</b> .....	65
General Studies .....	33
Multicultural Requirement .....	3
General Electives .....	19
<b>Total for Land Use Major</b> .....	120