

**Graduation Checklist for Geography BA  
 Option 2: Environmental Science**

Student Name:

Student Number:

<b>Ancillary Courses</b>			
Must take a sequence of either general biology or general chemistry courses with lab. If applying to MS in ES program, it is advised to have both sequences, but must have one.*			
			<b>NOTES</b>
<input type="checkbox"/>	BIOL 2051/2071		4
<input type="checkbox"/>	BIOL 2061/2081		4
AND/OR			
<input type="checkbox"/>	CHEM 2031/2038		4
<input type="checkbox"/>	CHEM 2061/2068		5
<b>All of the following:</b>			
<input type="checkbox"/>	GEOG 1202	Introduction to Physical Geography	3
		OR	
<input type="checkbox"/>	GEOG 1044/45	Introduction to Environmental Science with lab	4
<input type="checkbox"/>	GEOG 1302	Introduction to Human Geography	3
		OR	
<input type="checkbox"/>	GEOG 1102	World Regions in the Global Context	3
<input type="checkbox"/>	GEOG 2080	Introduction to Mapping and Map Analysis	
<input type="checkbox"/>	GEOG 3232	Weather and Climate	3
<input type="checkbox"/>	GEOG 3411	Globalization and Regional Development	3
<b>EIGHT additional courses:</b>			
<i>Environmental Science:</i>			
<input type="checkbox"/>	GEOG 4020	Earth Environments and Human Impacts	3
<input type="checkbox"/>	GEOG 4265	Sustainability in Resources Management	3
<i>Plus three class from the following list:</i>			
<input type="checkbox"/>	GEOG 3240	Colorado Climates	3
<input type="checkbox"/>	GEOG 4010	Landscape Geochemistry	3
<input type="checkbox"/>	GEOG 4240	Applied Geomorphology	3
<input type="checkbox"/>	GEOG 4251	Fluvial Geomorphology	3
<input type="checkbox"/>	GEOG 4270	Glacial Geomorphology	3
<input type="checkbox"/>	GEOG 4280	Environmental Hydrology	4
<input type="checkbox"/>	GEOG 4305	Water Quality and Resources	3
<input type="checkbox"/>	GEOG 4720	Climate Change: Causes, Impacts and Solutions	3
<input type="checkbox"/>	GEOG 4740	Geography of Soils	3
<input type="checkbox"/>	GEOG 4731	Mountain Biogeography	3
<i>Upper division environmental-oriented Biology or Chemistry course:</i>			
<input type="checkbox"/>	BIOL or CHEM	One course related to student's interest	3
<i>Techniques for Environmental Analysis, ONE from each group:</i>			
<i>Quantitative Methods:</i>			
<input type="checkbox"/>	GEOG 4770	Applied Statistics in the Natural Sciences Or ANTH 4050, PSYC 2090, MATH 2830, SOCY 3121	3

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Department of Geography & Environmental Sciences  
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<u>Techniques for Geographical Analysis:</u>				
<input type="checkbox"/>	GEOG 4080	Introduction to GIS (highly recommended; pre-req to most of the advanced GISci courses)	3	
<input type="checkbox"/>	GEOG 4060	Remote Sensing I: Introduction to Remote Sensing (pre-req for Remote Sensing II)	3	
<input type="checkbox"/>	GEOG 4085	GIS Applications for the Urban Environment		
<input type="checkbox"/>	GEOG 4235	GIS Applications in the Health Sciences	3	
<b>Community/Professional Experience (Optional, but highly recommended)</b>				
<input type="checkbox"/>	GEOG 3939	Cooperative Education Internship	var	
<input type="checkbox"/>	GEOG 4995/5995	Travel Study	var	

NOTES:

- Only 3 credits of Travel Study may be counted toward graduation requirements
- Students must complete a minimum of 24 hours of upper-division credit.
- At least 15 semester hours must be taken at CU Denver.
- Undergraduate students may count up to 6 credit hours of independent study or internship (any combination of GEOG 3840, 4840, 4880, or 3939) towards elective credit in the major as approved by the undergraduate coordinator. Students may not receive more than 3 credit hours per independent study section. No more than 3 credit hours of independent study may be taken with the same instructor or in the same term.
- In addition, admission to the MS in ES program requires one semester of physics (with lab) and one semester of calculus.

ADVISORS:

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