

**Checklist for MA in Applied Geography & Geospatial Sciences  
Thesis Track  
36 Credit Hours**

Student Name:

Student Number:

Advisor:

<b>All of the following:</b>			<b>NOTES</b>
<input type="checkbox"/>	GEOG 6300	Foundations Seminar in Human-Environment Interaction	3
<input type="checkbox"/>	GEOG 5050	Applied Spatial Statistics	3
<input type="checkbox"/>	GEOG 6750	Research Design	3
<input type="checkbox"/>	GEOG 6800	Community-Based Research Studio	3
<input type="checkbox"/>	GEOG 6950	Master's Thesis Preparation and Writing	3
<b>Geospatial Science &amp; Methods Courses (12 hours):</b>			
<input type="checkbox"/>	GEOG 5050	Applied Spatial Statistics	3
<input type="checkbox"/>	GEOG 5060	Remote Sensing I: Introduction to Environmental Remote Sensing	3
<input type="checkbox"/>	GEOG 5070	Remote Sensing II: Advanced Remote Sensing	3
<input type="checkbox"/>	GEOG 5081	Cartography and Computer Mapping	3
<input type="checkbox"/>	GEOG 5085	GIS Applications for the Urban Environment	3
<input type="checkbox"/>	GEOG 5090	Environmental Modeling with Geographic Information Systems	3
<input type="checkbox"/>	GEOG 5091	Free and Open Source Software for Geospatial Applications (FOSS4G)	3
<input type="checkbox"/>	GEOG 5092	GIS Programming and Automation	3
<input type="checkbox"/>	GEOG 5095	Deploying GIS Functionality on the Web	3
<input type="checkbox"/>	GEOG 5235	GIS Applications in the Health Sciences	3
<input type="checkbox"/>	CSCI 5559	Database Systems	3
<input type="checkbox"/>	ENVS 6200	Risk Assessment	3
<input type="checkbox"/>	ENVS 6220	Toxicology	3
<input type="checkbox"/>	ENVS 6230	Environmental Epidemiology	3
<input type="checkbox"/>	CVEN 5382	GIS Spatial Database Development	3
<input type="checkbox"/>	CVEN 5383	GIS Analysis – Theory and Practice	3
<input type="checkbox"/>	CVEN 5385	GIS Relational Database Systems	3
<b>Elective Courses (9 Hours)</b>			
<b>Human Geography (at least 1 course)</b>			
<input type="checkbox"/>	GEOG 5230	Hazard Mitigation and Vulnerability Assessment	3
<input type="checkbox"/>	GEOG 5265	Sustainability in Resources Management	3
<input type="checkbox"/>	GEOG 5300	Children's Geographies	3
<input type="checkbox"/>	GEOG 5301	Population, Culture, & Resources	3
<input type="checkbox"/>	GEOG 5335	Contemporary Environmental Issues	3
<input type="checkbox"/>	GEOG 5350	Environment & Society in the American Past	3
<input type="checkbox"/>	GEOG 5420	The Politics of Nature	3
<input type="checkbox"/>	GEOG 5440	Science, Policy and the Environment	3
<input type="checkbox"/>	GEOG 5470	Urban Geography: Denver and the U.S.	3
<input type="checkbox"/>	GEOG 5680	Urban Sustainability: Perspectives and Practice	3
<input type="checkbox"/>	GEOG 5710	Disasters, Climate Change and Health	3
<input type="checkbox"/>	GEOG 5990	Travel Study: Costa Rica	4
<input type="checkbox"/>	GEOG 5990	Travel Study: China	4
<input type="checkbox"/>	ENVS 5305	Water Quality and Resources	3
<input type="checkbox"/>	ENVS 5340	Multicultural Science Education	3
<input type="checkbox"/>	ENVS 5450	Urban Food and Agriculture: Perspectives and Research	3
<input type="checkbox"/>	ENVS 5460	Sustainable Urban Agriculture Field Study I	3
<b>Physical Geography (at least 1 course)</b>			

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<input type="checkbox"/>	GEOG 5240	Applied Geomorphology	3	
<input type="checkbox"/>	GEOG 5251	Fluvial Geomorphology	3	
<input type="checkbox"/>	GEOG 5270	Glacial Geomorphology		
<input type="checkbox"/>	GEOG 5720	Climate Change: Causes, Impacts and Solutions	3	
<input type="checkbox"/>	GEOG/ENVS 5740	Geography of Soils	3	
<input type="checkbox"/>	GEOG 5995	Travel Study: Patagonia	4	
<input type="checkbox"/>	ENVS 5020	Earth Environments and Human Impacts		
<input type="checkbox"/>	ENVS 5280	Environmental Hydrology	3	
<input type="checkbox"/>	ENVS 5731	Mountain Biogeography	3	
<i>Other Electives selected in close coordination with primary advisor.</i>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

## ADVISING NOTES

- Students should fill out and submit all relevant department forms for their files. Importantly, all petitions for course substitutions and identification of where courses fit as electives, with the subsequent approval/denial, should be submitted to this file.
- Students may take up to two (2) courses from outside the department as electives with approval of the student's primary advisor, which must be documented in the student's file.
- By the end of the first semester, each student should identify and declare a graduate advisor in the area of the student's interests or specialization. Students should file the Graduate Student – Faculty Advisor form by the first week of the second semester.
- Additionally, by the end of the first semester, students should determine whether or not s/he is pursuing the thesis or non-thesis option. If pursuing the thesis option, students should begin work under the guidance of their graduate advisor (see above) to develop a thesis topic and identify a thesis committee. The Graduate Student – Faculty Committee form is due to the department by the third semester of the student's degree program.
- Many of the electives have pre-requisites; students must have met these requirements in order to take the course.
- Students may transfer up to 9 hours of approved graduate-level credit into the program. These courses must be approved by the Graduate Director and they may not replace core courses. If a student has completed the GISci Certificate at CU Denver in the Department of Geography and Environmental Sciences, 15 credit hours may apply towards the MA if admitted to the MA program.
- Students may count up to 6-credit hours of Independent Study, with a maximum of 3-credit hours per Independent Study toward elective credit in the degree program as approved by the Graduate Director. No more than 3 credit hours of independent study may be taken with the same instructor, and they may not be taken in the same term.
- Students may count up to 6-credit hours of internship in total, but only 3-credit hours per internship (two sponsorships may be sponsored by the same professor, but they may not be the same internship or project). Please note that a maximum of 6 total credit hours of internship and independent study, combined, may apply.
- Students may not count 4000-level courses towards electives in the program; this may be petitioned to the Graduate Committee in exceptional cases.
- Students may take a maximum of 2 online courses, or petition to the Graduate Committee in exceptional cases to apply more than two online courses.
- Students may enroll in thesis preparation and writing hours only after submission of the signed committee form (see above), which requires approval of the thesis proposal.
- Students will not receive a grade for thesis preparation and writing hours until the thesis is successfully defended.

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- Students must follow the graduate school deadlines for submission of paperwork for the graduation application, comprehensive exam, and any other deadlines, in addition to departmental guidelines and deadlines. Links to these can be found on the GES/MS website: <http://www.ucdenver.edu/academics/colleges/CLAS/Departments/ges/Programs/MasterofScience/Pages/Forms.aspx>