MASTER OF ARTS IN GEOGRAPHY: CONCENTRATION IN RESOURCE MANAGEMENT AND ENVIRONMENTAL PLANNING

Graduate Advisor: Nancy Wilkinson

Admission to the Program
For admission to the graduate program, a student must meet the general University requirements as stated in the Bulletin. For unconditional admission to the M.A. program in geography, a student must have completed an undergraduate major in geography with a minimum GPA of 3.25 in the major. An applicant with a GPA of 3.25 or better in a major other than geography may qualify for admission as a conditionally classified graduate student. The conditional status is removed upon completion of core degree courses in physical and cultural geography, introductory statistics, introductory GIS, and an upper division geography course on advisement, with a grade of B or better in each course. Units earned for remedial or prerequisite course work are not applied toward the graduate degree.

In addition to the general application and grade transcripts which are sent to the graduate admissions office, the department requires a detailed Statement of Purpose, GRE scores, and two letters of recommendation. Check the department website for details on how to apply to the department; materials must be submitted in one packet. Personal interviews with the graduate advisors and appropriate department faculty are recommended.

Written English Proficiency Requirements
The University has a requirement for written English proficiency that is to be assessed at two different levels.

Level One
A score of 4.0 or better on the Analytical Writing portion of the GRE is taken as an indication of Level One writing proficiency. Any student whose GRE AW is 3.5 or lower is required to undertake remedial course work, which does not appear on the Advancement to Candidacy (ATC).

Level Two
Satisfactory completion of GEOG 895 or GEOG 898.

Advancement to Candidacy
In addition to fulfilling all University requirements, students must complete the required curriculum outlined below. All graduate seminars and all courses used on the Advancement to Candidacy (ATC) with the exception of GEOG 895 and GEOG 898 must be taken on a letter grade basis and have earned a B– or better. Not more than three units of Special Study (GEOG 899) and one unit of Special Study (GEOG 699) may be included on the ATC. Internship (GEOG 688) units do not appear on the ATC. Each student must consult with the appropriate graduate advisor regularly and design an individual program leading to the culminating experience requirement (thesis or research paper). For advancement to candidacy, the student must select a culminating experience committee comprised of two or three members, at least two of whom must be from the department and present a research proposal to the department faculty. Note that culminating experience committee members may have specific requirements for methodological background courses (e.g., the choice of GEOG 701, GEOG 702 or GEOG 705) so this should be considered when planning your course schedules.

Upper division courses offered by the department may be included with the approval of the graduate advisor. Depending on a student’s background and/or objective, additional courses in geography or related fields may be required on advisement.

Geography (M.A.): Concentration in Resource Management and Environmental Planning – Minimum 30 units

Program (15–16 units)
Code Title Units
Select one of the following: 3-4
GEOG 705 Geographical Analysis
GEOG 701 Field Methods in Human Geography
GEOG 702 Field Methods in Physical Geography
GEOG 751 Environmental Management 3
GEOG 801 Scope and Method in Geography 1 3
GEOG 810 Seminar in Physical Geography 3
GEOG 820 Human and Social Geography 3

1 To be taken by the student during the first year after admission to classified graduate status.

Additional Graduate Courses (3–7 units)
Code Title Units
Select 3–7 units on advisement from the following:
BUS 857 Business Management, Ecology, and Environmental Leadership 3
GEOG 815 Seminar in GIScience 3
GEOG 858 Seminar in Environmental and Land Use Planning 3
GEOG 896 Directed Reading in Geography 3
I R/GEOG 735 Seminar in Global Environmental Policy 3

Additional Graduate Seminars or Upper Division Courses (4–9 units)
selected from the following, on advisement, with a minimum of one course from each category below.

Category I: Resource Management and Environmental Planning
Code Title Units
ECON 550 Environmental Economics 3
GEOG 422 Environmental Perception 3
GEOG 427 Agriculture and Food Supply 4
GEOG 430 Transforming Food and Agriculture Systems: Local to Global 4
GEOG 644 Water Quality 3
GEOG 646 The Geography of Marine Resources 4
GEOG 647 Geography of Water Resources 4
GEOG/USP 652  Environmental Impact Analysis  4
GEOG/USP 658  Land-Use Planning  4

Category II: Techniques

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<th>Title</th>
<th>Units</th>
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<tr>
<td>GEOG 702</td>
<td>Field Methods in Physical Geography (if not chosen above)</td>
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<tr>
<td>GEOG 610</td>
<td>Remote Sensing of the Environment I</td>
<td>4</td>
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<tr>
<td>GEOG 711</td>
<td>Remote Sensing of the Environment II</td>
<td>4</td>
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<tr>
<td>GEOG 720</td>
<td>Geographical Information Systems</td>
<td>4</td>
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<tr>
<td>GEOG 721</td>
<td>Geographic Information Systems for Environmental Analysis</td>
<td>4</td>
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<tr>
<td>GEOG/ERTH 642</td>
<td>Watershed Assessment and Restoration</td>
<td>4</td>
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<td>GEOG 644</td>
<td>Water Quality</td>
<td>3</td>
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<tr>
<td>GEOG/ENVS 657</td>
<td>Natural Resource Management: Biotic Resources</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 705</td>
<td>Geographical Analysis (if not chosen above)</td>
<td>3</td>
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Culminating Experience (3 units)

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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>GEOG 895</td>
<td>Research Project (and Master's Comprehensive Oral Examination)</td>
<td>3</td>
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<tr>
<td>GEOG 898</td>
<td>Master's Thesis (and Oral Defense of Thesis)</td>
<td>3</td>
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Master's Oral Examination
A two-hour oral examination is required of all students. One hour is devoted to the research topic (GEOG 895) and a second hour focuses on a discussion of six foundation works in the discipline selected on individual advisement. The examination or either of its parts may be repeated only once. Students must have completed all course work prior to taking the oral examination, which can be scheduled only during the fall and spring semesters. Examination guidelines are available from the graduate advisor.

Research Proposal
The department requires all M.A. students to present a proposal of their research for culminating experience to faculty and peers within a semester of filing the Proposal for Culminating Experience. The object is to provide students with useful feedback in the critical developmental stage of the research experience. Students present a twenty minute synopsis of their research ideas to faculty and fellow graduate students focusing particularly on linking the research to a broader theoretical framework and presenting a methodology design to achieve the specifically stated objectives. This is followed by ten minutes (maximum) for questions and comments. Proposal presentations are scheduled as needed.