Geography, M.A.

The Master of Arts program in geography focuses on investigating the environmental consequences of human decisions, the social implications of environmental change, and the geographic information science that enables these studies. Central to the department’s studies are the theories, methods, and models of environmental, social, and geographic information science. Within this broad domain, the department has strengths in environmental justice, environmental modeling, GIScience and GIS, land use and its environmental consequences, sustainability, urban ecology, climatology, and health geography.

Master of Arts students follow one of two tracks. The professional track is designed as a terminal nonthesis degree that prepares students to enter the workforce directly after receiving a M.A. The thesis track includes an independent research project and prepares students to enter a Ph.D. program or a career that requires creative research in selected areas of geography.

The department provides opportunities for graduate students to gain practical experience through service as departmental teaching or research assistants. In addition, graduate students often compete successfully for intramural and extramural funding for graduate education.

Graduate students often present their research at professional conferences and publish their work in academic journals. These presentations and papers can be the product of independent research or research projects led by a faculty member.

Requirements

The Master of Arts with a major in geography requires a minimum of 30 s.h. of graduate credit with thesis and 32 s.h. of graduate credit without thesis. The program is designed to be completed in four semesters.

Thesis students must earn 15 s.h. of credit in Department of Geographical and Sustainability Sciences courses numbered 5000 or above; they may count 6 s.h. of thesis credit and 2 s.h. earned in GEOG:7000 Geography Colloquium toward the degree. Students who earn more than 30 s.h. may use the additional work to increase their breadth of knowledge in geography and to tailor their study programs to their individual interests.

Nonthesis students build skills across a range of topics in geographical and sustainability sciences during their first year and develop skills in particular application areas during their second year. They must earn 15 s.h. of credit in Department of Geographical and Sustainability Sciences courses numbered 5000 or above.

Students demonstrate competence by completing appropriate course work; completing and defending an M.A. thesis (for thesis students) or completing a portfolio of finished work and having it reviewed (nonthesis students).

Applications for graduate appointments must be received by January 1. Applications for fellowships are due by January 15.

Financial Support

A number of graduate teaching and research assistantships are available. In addition, outstanding applicants and underrepresented minorities are eligible for several fellowships. Awards are based on merit. In giving awards, the department pays particular attention to grade-point average, especially for the junior and senior years; scores on the Graduate Record Examination (GRE) General Test; three letters of recommendation; and fit of a student's objectives with department specializations.

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Career Advancement

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Courses in geography are commonly required of students preparing to teach at the elementary and secondary school levels or to work in urban and regional planning. The degree also provides a solid background for many related professions, including law, health care, environmental engineering, and business.

Geography majors also are encouraged to participate in an internship. The department maintains close ties with the Iowa Department of Natural Resources and other local agencies that offer internships.
The application of GIS to social, economic, and environmental problems has increased considerably during the past decade. This trend is likely to continue into the future; in fact, the U.S. Department of Labor has identified the area as one of its 14 high-growth industries. GIS presents an abundance of career opportunities for geography graduates in local, state, and federal government agencies, as well as in the private sector.

The department’s faculty members help students apply for postgraduate programs and contact potential employers. The Pomerantz Career Center offers multiple resources to help students find internships and jobs.