Graduate Programs

The Department of Geography offers work leading to the MS and PhD degrees. These degree programs emphasize preparation for employment in positions which are enhanced by an ability to recognize and to interpret spatial distributions, and to analyze regions.

Particular emphasis is placed on the applied aspects of geography, with many graduates employed by private business as well as city, regional, state and national planning agencies. Recipients of graduate degrees in geography have also gone on to a variety of successful careers in various fields, including retail store location analysis, city planning, environmental assessment, and university teaching and research.

The Master of Science Degree

Admission to the master’s program in geography is granted to college graduates with superior academic records. An undergraduate geography major is not required. Majors from the social, physical, and behavioral sciences and from the humanities are encouraged to apply. Incoming graduate students must demonstrate competency in cultural geography, physical geography, statistics and cartography. If a student lacks these prerequisite skills, an additional course in each of these subjects is required.

Two basic plans of study exist for the master’s degree. One plan requires a minimum of 30 credit hours, including a thesis; the other is a 36-credit-hour non-thesis option. Plans of study can be developed to accommodate many interests. Major faculty interests span nature-society dynamics, including resource management and cultural and political ecology; cultural and historical geography, geographic information science and unmanned aerial systems; urban and transportation geography; and regional analysis and development.

The Doctor of Philosophy Degree

Admission to the PhD program is granted to students with superior records in their previous graduate study. A previous degree in geography is not required, but incoming students from other disciplines must demonstrate competency in cultural geography, physical geography, statistics and cartography. If a student lacks these prerequisite skills, an additional course in each of these subjects is required. A minimum of 60 hours of graduate credit beyond the master’s degree is required for the PhD degree. These hours include core courses (13 hours), elective courses in geography (15 hours minimum), elective courses outside of geography (9 hours minimum), and dissertation hours (15 hours minimum). Each student chooses an individual doctoral committee that advises the student in the formulation of an approved plan of study for the degree. Students focus their studies in one of three department specialty areas: nature-society dynamics, cultural and historical geography, and geographic information science, including unmanned aerial systems. Candidates for the PhD in geography must demonstrate either:

1. proficiency in one language other than English,
2. reading knowledge of two languages other than English,
3. proficiency in advanced quantitative methods,
4. proficiency in advanced qualitative methods, or
5. proficiency in a multi-skill track.

To be advanced to doctoral candidacy, the student must demonstrate proficiency in three specialized subject areas within geography and related disciplines by passing written and oral comprehensive examinations. An important requirement for the PhD degree is the preparation and successful defense of a doctoral dissertation. The dissertation must demonstrate the candidate’s ability to plan and complete independent, original research in geography.