

CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS, DOCTORAL MINOR

Geographic information science (GIScience) addresses the fundamental issues surrounding the use of computer technology to help people work with geographic information. GIScience is a field devoted to the acquisition, representation, management, analysis, and visualization of geospatial data. It is a relatively new discipline that incorporates geography, cartography, spatial analysis, computer science and other related fields, including geodesy, cognition, statistics, and mathematics. As an academic discipline, GIScience is concerned with both theoretical and applied issues relating to the creation, analysis, and visualization of spatiotemporal information. It is inherently interdisciplinary in both its methods and applications. Here at UW–Madison, we are committed to the integration of GIScience with substantive geographic questions.

ADMISSIONS

For more information, contact: Marguerite Roulet, Graduate Program Director (maroulet@wisc.edu).

REQUIREMENTS

All students pursuing a concentrated minor in Cart/GIS are required to connect with a faculty member with whom they can work to establish a reasonable course list to complete 9 credits in the department. That faculty member will, ultimately, be responsible for signing off on completion of the minor. Students interested in the geography minor are encouraged to explore the department's faculty pages (<http://www.geography.wisc.edu/faculty/>) and contact one or more faculty with shared research interests.

PEOPLE

Faculty:

Department Chair: Joseph Mason

Professors: William Cronon, Robert Kaiser, Erika Marin-Spiotta, Joseph Mason, Lisa Naughton, Kristopher Olds, Matthew Turner, John (Jack) Williams, A-Xing Zhu

Associate Professors: Ian Baird, Holly Gibbs, Asligül Göçmen, Qunying Huang, Sarah Moore, Morgan Robertson, Robert Roth, Keith Woodward, Stephen Young

Assistant Professors: Christian Andresen, Song Gao, Ken Keefover-Ring, Jenna Loyd, Almita Miranda