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.