

# ADVANCED GIS, CAPSTONE CERTIFICATE

The Department of Geography offers an online Advanced Geographic Information Systems (GIS) Capstone Certificate.

The Advanced GIS Capstone Certificate is intended to produce individuals, both inside and outside of Wisconsin, skilled in the conceptual and methodological underpinnings of advanced GIS technology and able to make informed use of current GIS applications in real-world problem solving. Advanced GIS capstone certificate students will acquire advanced GIS and related technological skills needed in a wide variety of disciplines, while gaining experience with common commercial and open-source GIS software.

The course package will provide broad competency in mapping science and spatial analysis; consisting of three elective courses, including advanced courses in cartographic design, geovisualization, geocomputing, and spatial and web programming.