

**M.A. IN GEOGRAPHY WITH GEOGRAPHIC INFORMATION SYSTEMS
CONCENTRATION
CHICAGO STATE UNIVERSITY**

April 2008

According to the January 22, 2004, *Nature* magazine article, "Mapping Opportunities," the United States Department of Labor in 2004 identified geotechnology as one of the three most important emerging and evolving fields, along with nanotechnology and biotechnology. The article indicated that job opportunities in geotechnology were growing and diversifying as the technology proved its value in ever more areas across the public and private sectors. The term geotechnology, comprising the fields of Global Positioning System (GPS), Remote Sensing, Geographic Information Systems (GIS), and Cartography, is a technology of acquiring, managing, analyzing, and visualizing geospatial information for decision making purposes. At Chicago State University and many other institutions of higher education, a minor in Geographic Information Systems and certificate and degree programs in Geographic Information

The M.A. in Geography with Geographic Information Systems Concentration (MAG-GIS)

prepares students to become advanced GIS/Remote Sensing professionals or prepares them to continue on for a Ph.D. in these rapidly growing fields. Students seeking admission into this program are required to fulfill the general requirements for admission into graduate programs at Chicago State University, which includes attainment of a 3.0 GPA at the undergraduate level. Students who lack at least 3 hours of computer programming and 3 hours of introductory GIS may be required to make up these deficiencies. The requirements to complete the program are follows:

Required Geographic Information Systems Courses (15 hours):

GEOG 5840: Digital GIS (3)

GEOG 5850: GIS Applications (3)

Electives from the following chosen in consultation with the graduate advisor (6 hours)

GEOG 5500: Principles of Urban and Regional Planning (3)

GEOG 5840: Digital GIS (3)

GEOG 5842: GIS Programming and Customization (3)

MAG-GIS: (GIS and Remote Sensing data acquisition, 3 hours)

Students with previous degrees/certificates in GIS seeking admission into the MAG-GIS program should consult with the graduate advisor about their program of study.

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