

UW-MADISON GEOGRAPHY DEPARTMENT: COMPARISON OF PROGRAM OFFERINGS IN GEOGRAPHIC INFORMATION SYSTEMS (GIS)

	<i>MS GEOGRAPHY-GIS concentration</i>	<i>MS CARTOGRAPHY/GIS</i>	<i>CERTIFICATE IN GIS</i>
PROGRAM GOALS	Conduct research using GIS (Applying GIS to geographic problems in an academic setting). Using GIS as a tool. Emphasis is on the use of GIS in conducting other geographic research	Conduct research in GIS (Studying GIS to develop new techniques in the field of GIS). Emphasis is on the development of new GIS tools.	Apply GIS to geographic problems in a non-academic setting. Emphasis is on developing the ability to use GIS techniques.
ADMISSION REQUIREMENTS	<ul style="list-style-type: none"> • Bachelor's degree • Basic undergraduate geography major requirements consisting of one course in each of five areas of concentration: may be fulfilled after admission through additional coursework. 	<ul style="list-style-type: none"> • Bachelor's degree • A course in quantitative methods, two courses in mathematics, and at least two intermediate or advanced courses in geography. 	<ul style="list-style-type: none"> • Bachelor's degree • Introductory course in statistical methods.
TESTING	GRE general test required	GRE general test required	GRE <u>not</u> required
REQUIRED COURSEWORK	<ul style="list-style-type: none"> • Geog 765 & 766 • 4 graduate level courses (300 level or above), 3 of which must be in Geography. • 2 seminars (with research papers) 	<ul style="list-style-type: none"> • Geog 765 & 766 • Geog 370, 375, and 377 • 2 courses from 371, 570, 572, 575, 577, 578, or 579 • Geog 970 	<ul style="list-style-type: none"> • Geog 370, 377, 560, and 578 • 1 course from Geog 572, 575 or CEE 301-303
	Thesis	Thesis	Internship project
FULLTIME STUDY	2 years	2 years	1 year
TUITION	Students pay graduate tuition and fees. For 2006/07, 8 or more credits are \$4,592.16 (WI residents) and \$12,227.20 (non-residents).	Students pay graduate tuition and fees. For 2003/04, 8 or more credits are \$4,592.16 (WI residents) and \$12,227.20 (non-residents).	Students pay tuition and fees on a per-credit basis. The 2006/07 rate is \$559/credit for <i>both in-state and out-of-state residents</i> . A minimum of 20 credits must be taken.
FINANCIAL AID	<ul style="list-style-type: none"> • Eligible for University-wide fellowships in addition to teaching assistantships, project assistantships, research assistantships, reader positions through the department • Eligible for additional aid through University Financial Aid office and outside sources 	<ul style="list-style-type: none"> • Eligible for University-wide fellowships in addition to teaching assistantships, project assistantships, research assistantships, reader positions through the department • Eligible for additional aid through University Financial Aid office and outside sources 	<ul style="list-style-type: none"> • Not eligible for University fellowships or assistantships. Students are eligible for student hourly positions. • Eligible for additional aid through University Financial Aid office and outside sources

Requirements may be slightly modified based on individual's background. Modifications needs to be worked out with individual student's advisor and should be approved by the Graduate Affairs and Research Committee