

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

	<i>MS CARTOGRAPHY/GIS</i>	<i>CERTIFICATE IN GIS</i>
<b>PROGRAM GOALS</b>	Conduct research in GIS (Studying GIS to develop new techniques in the field of GIS). Emphasis is on the development of new GIS tools or Application of GIS in academic settings.	Apply GIS to geographic problems in a non-academic setting. Emphasis is on developing the ability to use GIS techniques.
<b>ADMISSION REQUIREMENT</b>	<ul style="list-style-type: none"> <li>• Bachelor's degree</li> <li>• A course in quantitative methods, two courses in mathematics, and at least two intermediate or advanced courses in geography.</li> </ul>	<ul style="list-style-type: none"> <li>• Bachelor's degree</li> <li>• Introductory course in statistical methods.</li> </ul>
<b>TESTING</b>	GRE general test required	GRE <u>not</u> required
<b>REQUIRED COURSEWORK</b>	<ul style="list-style-type: none"> <li>• Geog 765 &amp; 766</li> <li>• Geog 370, 375, and 377</li> <li>• 2 courses from 371, 570, 572, 575, 577, 578, or 579</li> <li>• Geog 970</li> </ul>	<ul style="list-style-type: none"> <li>• Geog 370, 377, 560, and 578</li> <li>• 1 course from Geog 572, 575 or Remote Sensing (course number varies).</li> </ul>
	Thesis	Internship project
<b>FULLTIME STUDY</b>	2 years	1 year
<b>TUITION</b>	Students pay graduate tuition and fees. For 2008/09, 8 or more credits are \$5,011.28 (WI residents) and \$12,472.24 (non-residents).	Students pay tuition and fees on a per-credit basis. The 2008/09 rate is \$628.16/credit for <i>both in-state and out-of-state residents</i> . A minimum of 20 credits must be taken in the program.
<b>FINANCIAL AID</b>	<ul style="list-style-type: none"> <li>• Eligible for University-wide fellowships in addition to teaching assistantships, project assistantships, research assistantships, reader positions through the department</li> <li>• Eligible for additional aid through University Financial Aid office and outside sources</li> </ul>	<ul style="list-style-type: none"> <li>• Not eligible for University fellowships or assistantships. Students are eligible for student hourly positions.</li> <li>• Eligible for additional aid through University Financial Aid office and outside sources</li> </ul>

*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*