



**UMBC**  
AN HONORS UNIVERSITY IN MARYLAND

# **GEOGRAPHIC INFORMATION SYSTEMS GRADUATE PROGRAMS** *Rockville, MD*

## **Master's of Professional Studies: Geographic Information Systems Academic Planning Form**

### **General Information**

**Student Name:** \_\_\_\_\_

**Program Director:** Dr. Erwin Villiger (villiger@umbc.edu) Phone: 301-738-6087

**Admission date:** \_\_\_\_\_ **Projected Graduation Date:** \_\_\_\_\_

**NOTE:** This form serves as unofficial guidance in planning your MPS program. In coordination with the Program Director you may edit or modify your desired courses (where possible & appropriate) at any point while at UMBC.

### **Academic Plans and Record (Program requires 30 credits)**

Course	Course Title	Semester Planned
<b>Core Courses</b>		
GES 670	Advanced Seminar in GIS	
GES 671	Spatial Database and System Design	
GES 673	Geoprocessing and Spatial Analysis	
GES 675	GIS Application Development	
GES 678	Project Management of the Enterprise	
GES 679	Professional Seminar (List Topic: _____)	
GES 679	Professional Seminar (List Topic: _____)	
GES 679	Professional Seminar (List Topic: _____)	
<b>Elective Courses - Choose 4</b>		
GES 770	Special Topics in Enterprise GIS	
GES 771	Advanced Spatial Data Management	
GES 772	Geospatial Web Services and Interoperability	
GES 773	GIS Modeling Techniques	
GES 774	Spatial Statistics	
GES 775	Advanced GIS Application Development	
GES 776	GIS Data Sources, Tasking, and Acquisition	
GES 777	Advanced Data Modeling and Editing Techniques	
GES 778	Advanced Visualization and Presentation	

**For GIS course descriptions please visit:** [www.umbc.edu/gis](http://www.umbc.edu/gis).

**For class schedules please visit:** <http://www.umbc.edu/go/schedule>