

# GEOGRAPHIC INFORMATION SCIENCE (GIS) & COMPUTER CARTOGRAPHY

## College of Behavioral and Social Sciences

### BSOS Expectations of Students

As a University of Maryland student, you are an informed and active participant in your education. Therefore, the College of Behavioral and Social Sciences expects that you:

- Know your benchmark/gateway and degree requirements
- Develop a graduation plan which leads to a timely graduation
- Complete an academic audit during your junior year
- Take appropriate actions to remove registration blocks and register on time
- Adhere to University and College policies and deadlines
- Be responsible for your academic actions and decisions

### Student Expectations of BSOS

Academic advisors are committed to assist you in meeting your educational goals. Therefore, the College is committed to the following:

- Introducing you to major and University requirements upon your entrance to a BSOS major
- Providing assistance during academic difficulty
- Referring you to helpful campus resources when needed
- Providing advising throughout your academic career

## Advising Resources

### BSOS Advising

*General questions, registration, exceptions to University policy, academic probation, limited enrollment questions, graduation concerns*

2148 Tydings Hall  
(301) 405-1697  
bsosadvising@umd.edu

### Department Advising

*Major requirements and courses, registration, internships, career questions, department permission for courses*

**\*\*All GIS students have mandatory advising every semester\*\***

2108 LeFrak Hall  
(301) 405-4073  
geog-advise@umd.edu

## GIS Major Benchmarks

**Benchmark Requirements:** In accordance with University policy, the Department of Geographical Sciences has established benchmark requirements. Students are expected to demonstrate continuing progress in their majors by completing prerequisite or required courses with the appropriate grades within an established timeframe. Students who do not complete benchmark requirements will need to choose a new major and will not be permitted to return to the Geography major at a later time.

**Benchmark 1:** *GIS majors must complete the following courses within two semesters of entering the major:*

- Academic Writing with satisfactory completion D– or higher
- Fundamental Studies Math with satisfactory completion D– or higher
- CORE Distributive Studies course 1 with D– or higher
- CORE Distributive Studies course 2 with D– or higher
- CORE Distributive Studies course 3 with D– or higher
- GEOG 201 & GEOG 211 **or** GEOG 202 with C– or higher
- Additional GEOG course of choice {excluding GEOG 100} with C– or higher

# GIS - BACHELOR OF SCIENCE

CORE Requirements			
<b>CORE Fundamental Studies</b> <i>For SAT and AP exemptions, refer to</i> <a href="http://www.ugst.umd.edu/core/elements/FundaSt.html">http://www.ugst.umd.edu/core/elements/FundaSt.html</a>			
Requirements	Course	Credits	Grade
FE: Academic Writing	ENGL101	—/3	
FM: Fundamental Studies Math	MATH 220/140/130	—/3	
CORE Distributive Studies			
Requirements	Course	Credits	Grade
HL: Literature		3	
HA: History/Theory of the Arts		3	
HL/HA/HO (Humanities Other)/ IE (Interdisciplinary & Emerging)		3	
PL/LL: Physical or Life Science with Lab	GEOG201/211	4	
PS/LS/PL/LL: Physical or Life Science with Lab or Non-Lab		3/4	
MS: Math and Formal Reasoning	MATH 220/140/130	3/4	
SH: Social or Political History		3	
SB1: Behavioral & Social Science	GEOG202	3	
SB2: Behavioral & Social Science		3	
CORE Diversity			
Requirements	Course	Credits	Grade
D: Diversity		—/3	
Advanced CORE: Taken after earning 60 credits			
Requirements	Course	Credits	Grade
ENGL 39X (Professional Writing: Refer to Testudo for course options)		—/3	
Advanced Studies Course 1*		3	
Advanced Studies Course 2*		3	
*Courses must range from 300-400 level. Major, supporting sequence, professional writing, internship, or other experiential courses may not fulfill these requirements.			
Requirements for Graduation:			
<input type="checkbox"/> Earn a D– or higher in each course used to complete CORE/GenEd			
<input type="checkbox"/> Earn a C– or higher in each course required for the major			
<input type="checkbox"/> Students starting UMD Fall 2012 or later must earn a 2.0 average in all courses used to satisfy major requirements.			
<input type="checkbox"/> 15 of the final 30 credits must be earned at the 300-400 level			
<input type="checkbox"/> 12 upper level major credits must be earned at UMD			
<input type="checkbox"/> At least 30 credits must be earned at UMD			
<input type="checkbox"/> Earn a cumulative 2.0 GPA in all UMD coursework			
<input type="checkbox"/> Earn a minimum of 120 credits			

GIS Major Requirements		
<i>Requirements</i> [Courses in brackets are prerequisite courses]	<i>Credits</i>	<i>Grade</i>
Benchmark 1 Requirements		
Academic Writing (D– or higher)	—	
Fundamental Studies Math (D– or higher)	—	
CORE Distributive Studies course 1 (D– or higher)		
CORE Distributive Studies course 2 (D– or higher)	—	
CORE Distributive Studies course 3 (D– or higher)	—	
Required Course 1 (C– or higher): GEOG 201 & 211 (LL) <b>or</b> GEOG 202 (SB)	4 <b>or</b> 3	
Additional GEOG Course (C– or higher) <i>{Excluding GEOG 100, choose from options listed below, i.e., Quantitative, Human, Physical, etc.}</i>	3	
GEOG Required Courses (C– or higher)		
Required Course 2: <i>{Choose course not taken for Benchmark Requirement}</i> GEOG 201 & 211 (LL) <b>or</b> GEOG 202 (SB)	4 <b>or</b> 3	
GEOG 212	1	
GEOG Human Gateway Requirement (C-or higher)		
GEOG _____	3	
GEOG Physical Gateway Requirement (C-or higher)		
GEOG _____	3	
Additional GEOG Human or Physical (C– or higher) <i>Refer to GEOG department for suggested courses (non-technical)</i>		
GEOG Additional Course 1 UL	3	
GEOG Quantitative Requirement (C– or higher) <i>Refer to GEOG department for suggested courses</i>		
GEOG 306	3	
GIS Technical Requirement (C– or higher)		
GEOG 372	3	
GEOG 373	3	
GEOG 376 [GEOG373]	3	
GEOG 400 Level Technical Course 1	3	
GEOG 400 Level Technical Course 2	3	
GEOG Major Supporting Sequence (15 credits) (C– or higher) <i>- Refer to the department website for specific supporting area courses: <a href="http://www.geog.umd.edu/content/gis">http://www.geog.umd.edu/content/gis</a></i>		
MATH 220/140/130 (MS)	3/4	
Supporting Course 2	3	
Supporting Course 3	3	
Supporting Course 4	3	
Supporting Course 5	3	