

# 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  
advisingcenter@bsos.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 Geography 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.

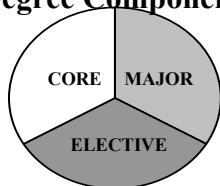
**Benchmark 1:** *GIS majors must complete the following courses within two semesters of entering the major:*

- Academic Writing with satisfactory completion (D) 1.0 or higher
- Fundamental Studies Math with satisfactory completion (D) 1.0 or higher
- CORE Distributive Studies course 1
- CORE Distributive Studies course 2
- CORE Distributive Studies course 3
- GEOG 201 & GEOG 211 **or** GEOG 202 with (C) 2.0 or higher
- Additional GEOG course of choice {excluding GEOG 100} with (C) 2.0 or higher

# GIS - BACHELOR OF SCIENCE

<b>CORE Requirements</b> Grade of (D) 1.0 or higher is required			
<b>CORE Fundamental Studies</b> <i>For SAT and AP exemptions, refer to <a href="http://www.ugst.umd.edu/core/elements/FundaSt.html">http://www.ugst.umd.edu/core/elements/FundaSt.html</a></i>			
Requirements	Course	Credits	Grade
FE: Academic Writing		—/3	
FM: Fundamental Studies Math		—/3	
<b>CORE Distributive Studies</b>			
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		4	
PS/LS/PL/LL: Physical or Life Science with Lab or Non-Lab		3/4	
MS: Math and Formal Reasoning		3/4	
SH: Social or Political History		3	
SB1: Behavioral & Social Science		3	
SB2: Behavioral & Social Science		3	
<b>CORE Diversity</b>			
Requirements	Course	Credits	Grade
D: Diversity		—/3	
<b>Advanced CORE: Taken after earning 60 credits</b>			
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.			

## Degree Components



**Students must earn a minimum of 120 credits to complete a degree**

Requirements for Graduation:
<input type="checkbox"/> At least 30 credits must be taken at UMD
<input type="checkbox"/> The final 30 credits must be taken at UMD
<input type="checkbox"/> 15 of the final 30 credits must be at the 300-400 level

<b>GIS Major Requirements</b> Grade of (C) 2.0 or higher is required		
Requirements	Credits	Grade
<b>Benchmark 1 Requirement s</b>		
Academic Writing	—	
Fundamental Studies Math	—	
CORE Distributive Studies course 1		
CORE Distributive Studies course 2	—	
CORE Distributive Studies course 3	—	
Required Course 1: GEOG 201 & 211 (LL) <b>or</b> GEOG 202 (SB)	<b>4 or 3</b>	
Additional GEOG Course <i>{Excluding GEOG 100, choose from options listed below, i.e., Quantitative, Human, Physical, etc.}</i>	3	
<b>GEOG Required Courses</b>		
Required Course 2: <i>{Choose course not taken for Benchmark Requirement}</i> GEOG 201 & 211 (LL) <b>or</b> GEOG 202 (SB)	<b>4 or 3</b>	
GEOG 212	1	
<b>GEOG Quantitative Requirement</b>		
GEOG 306	3	
<b>GEOG Human Gateway Requirement</b>		
GEOG _____	3	
<b>GEOG Physical Gateway Requirement</b>		
GEOG _____	3	
<b>GEOG Courses of Choice</b> <i>Refer to GEOG department for suggested courses</i>		
GEOG Course of Choice 1 UL	3	
<b>GIS/Computer Cartography Requirement</b>		
GEOG 372	3	
GEOG 373	3	
GEOG 476	3	
GEOG 472, 473, <b>or</b> 475	3	
GEOG 472, 473, <b>or</b> 475	3	
<b>GEOG Major Supporting Sequence (15 credits)</b> <i>- Courses used to satisfy this requirement must be approved by a GEOG advisor. - Students should consider quantitative, mathematical, and computer related courses to fulfill this requirement.</i>		
MATH 220 or MATH 140 (MS)	3/4	
Supporting Course 2	3	
Supporting Course 3	3	
Supporting Course 4	3	
Supporting Course 5	3	