

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 GIS major at a later time.

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

- Academic Writing with D- or higher
- Fundamental Studies Math with D- or higher
- Additional Gen Ed course 1 with D- or higher
- Additional Gen Ed course 2 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

GEOGRAPHIC INFORMATION SCIENCE - BACHELOR OF SCIENCE

General Education Requirements (Fall 2012 and later)			
Fundamental Studies			
<i>Requirements: 15 credits</i>	<i>Course</i>	<i>Credits</i>	<i>Grade</i>
AW: Academic Writing	ENGL 101	3	
PW: Professional Writing — Taken after 60 credits		3	
OC: Oral Communication		3	
MA: Fundamental Studies Math	MATH 220/140/130	3/4	
AR: Analytic Reasoning	GEOG 306	3	
Distributive Studies			
<i>Requirements: 25 credits</i>	<i>Course</i>	<i>Credits</i>	<i>Grade</i>
NL: Natural Sciences Lab	GEOG 201/211	4	
NS: Natural Sciences		3/4	
HS: History and/or Social Sciences	GEOG 202	3	
HS: History and/or Social Sciences		3	
HU: Humanities		3	
HU: Humanities		3	
SP: Scholarship in Practice (overlap permitted with major requirement)		3	
SP: Scholarship in Practice (must be non-major requirement)		3	
I- Series (overlap permitted with Distributive Studies/Diversity)			
<i>Requirements: 6 credits</i>	<i>Course</i>	<i>Credits</i>	<i>Grade</i>
IS: I-Series		—/3	
IS: I-Series		—/3	
Diversity (overlap permitted with Distributive Studies and/or I-Series)			
<i>Requirements: 4—6 credits</i>	<i>Course</i>	<i>Credits</i>	<i>Grade</i>
UP: Understanding Plural Societies		3	
CC: Cultural Competency OR UP: Understanding Plural Societies	GEOG 202	1—3	
TOTAL General Education Credits			
General Education requirements must total at least 40 credits			
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)	3/4	
Additional Gen Ed course 1 (D– or higher)	—	
Additional Gen Ed course 2 (D– or higher)	—	
Required Course 1 (C– or higher): GEOG 201 & 211 or GEOG 202	4 or 3	
Additional GEOG Course (C– or higher): {Excluding GEOG 100, choose from options listed below, i.e., Quantitative, Human, Physical, etc.}	3	
GEOG Required Courses [Grade of C– or higher]		
Required Course 2: {Choose course not taken for Benchmark Requirement} GEOG 201 & 211 or GEOG 202	4 or 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) [Grade of C– or higher] <i>Refer to the department website for specific supporting area courses: http://www.geog.umd.edu/content/gis</i>		
MATH 220/140/130	3/4	
Supporting Course 2	3	
Supporting Course 3	3	
Supporting Course 4	3	
Supporting Course 5	3	

GEOGRAPHIC INFORMATION SCIENCE AND COMPUTER CARTOGRAPHY-FOUR YEAR ACADEMIC PLAN

Year 1	Fall		Spring	
Complete your graduation plan! Benchmark 1 Requirements must be completed in 2 semesters Academic Writing Fundamental Math Gen Ed course 1 Gen Ed course 2 GEOG 201 & 211 or GEOG 202 Additional GEOG course	Course	Credit	Course	Credit
	ENGL 101 (AW: Academic Writing)	3	OC (Oral Communication)	3
	MA (Fundamental Studies Math -based on placement)	3	HU (Humanities)*	3
	HU (Humanities)*	3	GEOG 202 (HS: History/Social Sciences and CC: Cultural Competence)	3
	GEOG 201 & 211 (NL: Natural Sciences Lab)	4	MATH 220, 140 or 130 (Supporting Sequence 1)	3
	UNIV 100	1	Elective	3
			Elective	1
	Total	14	Total	16
Year 2	Fall		Spring	
Check in with your advisor regarding your benchmark or gateway progress!	Course	Credit	Course	Credit
	NS (Natural Sciences)*	3	SP (Scholarship in Practice) *	3
	GEOG Physical Gateway Course	3	GEOG 373	3
	HS (History/Social Sciences)*	3	GEOG 306 (AR: Analytical Reasoning)	3
	GEOG 212	1	Supporting Sequence 2	3
	GEOG Human Gateway Course	3	Elective	3
	Elective	3		
	Total	16	Total	15
Year 3	Fall		Spring	
Complete an academic audit (review of academic record) between 75—89 credits!	Course	Credit	Course	Credit
	ENGL 39X (PW: Professional Writing)	3	SP (Scholarship in Practice –non-major)*	3
	GEOG 372	3	GEOG Additional Course 1 UL	3
	Supporting Sequence 3	3	GEOG 376	3
	UP (Understanding Plural Societies)*	3	Elective	3
	Elective	3	Elective	3
	Total	15	Total	15
Year 4	Fall		Spring	
Apply for graduation!	Course	Credit	Course	Credit
	GEOG 400 Level Technical Course 1	3	GEOG 400 Level Technical Course 2	3
	Supporting Sequence 4	3	Supporting Sequence 5	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	2
	Total	15	Total	14

***Important Planning Notes:**

- All students must take two Distributive Studies courses that will also count for the I-Series requirement. (I-series are not listed separately in this plan.)
- Understanding Plural Societies courses may also fulfill a Distributive Studies category. GEOG 202 will count for the Cultural Competence requirement.

Cumulative Credits + Planned Credits = Total Credits	120
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