

GEOGRAPHICAL SCIENCES: GEOGSPATIAL DATA SCIENCE

College of Behavioral and Social Sciences

Feller Center - Advising & Career Planning

As a University of Maryland student, you are an informed and active participant in your education. Therefore, you should:

- Know your benchmark/gateway and degree requirements
- Develop a graduation plan which leads to a timely graduation
- Review your academic audit and evaluate your career planning progress 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

Academic and Career Planning advisors are here to assist you in meeting your educational and professional 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
- Providing academic and career advising throughout your undergraduate career

Advising Resources

Feller Center - Advising & Career Planning

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

2nd Floor Tydings Hall

(301) 405-1697

Advising Email: BSOSAdvising@umd.edu

Career Planning Email: BSOSCareers@umd.edu

Department Advising

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

****All Geospatial Data Science students have mandatory advising every semester****

2181M LeFrak Hall

(301) 405-4073

geog-advise@umd.edu

Geospatial Data Science 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 Geospatial Data Science major at a later time.

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

- Academic Writing with C– or higher
- Additional Gen Ed course 1 with D– or higher
- Additional Gen Ed course 2 with D– or higher
- MATH120, MATH140, **or** MATH136 with C– or higher (Seats in MATH136 are only available for students majoring in CMNS-Biological Sciences)
- GEOG201 & GEOG211 **or** GEOG202 with C– or higher
- Additional GEOG course of choice {excluding GEOG100} with C– or higher

NAME: _____

UID: _____ DATE: _____

Geospatial Data Science- BS

General Education Requirements			
Fundamental Studies			
Requirements: 15 credits	Course	Credits	Grade
AW: Academic Writing	ENGL101	3	
PW: Professional Writing — Taken after 60 credits		3	
OC: Oral Communication		3	
MA: Fundamental Studies Math	MATH 120/140	3/4	
AR: Analytic Reasoning	MATH 120/140	3	
Distributive Studies			
Requirements: 25 credits	Course	Credits	Grade
NL: Natural Sciences Lab	GEOG 201/211	4	
NS: Natural Sciences		3/4	
HS: History and/or Social Sciences	GEOG202	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	
Signature Courses (overlap permitted with Distributive Studies/Diversity)			
Requirements: 6 credits	Course	Credits	Grade
IS: Big Question		—/3	
IS: Big Question		—/3	
Diversity (overlap permitted with Distributive Studies/Signature Courses)			
Requirements: 4—6 credits	Course	Credits	Grade
UP: Understanding Plural Societies		3	
CC: Cultural Competency OR UP: Understanding Plural Societies	GEOG202	1—3	
TOTAL General Education Credits			
General Education requirements must total at least 40 credits			
Requirements for Graduation:			
<input type="checkbox"/> Earn a C– or higher in Academic Writing and all major requirements			
<input type="checkbox"/> Earn a D– or higher in every Gen Ed course except Academic Writing			
<input type="checkbox"/> 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			

Geospatial Data Science Major Requirements		
Requirements [Courses in brackets are prerequisite courses]	Credits	Grade
Benchmark 1 Requirements		
Academic Writing (C– or higher)	—	
Additional Gen Ed course 1 (D– or higher)	—	
Additional Gen Ed course 2 (D– or higher)	—	
MATH120, MATH140 or MATH136 [C– or higher] (Seats in MATH136 are only available for students majoring in CMNS-Biological Sciences)	—	
Required Course 1 (C– or higher): GEOG201 & 211 or GEOG202	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} GEOG201 & 211 or GEOG202	4 or 3	
GEOG212	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) Refer to GEOG department for suggested courses (non-technical)		
GEOG Additional Course 1 UL	3	
GEOG Quantitative Requirement (C– or higher) Refer to GEOG department for suggested courses		
GEOG306	3	
GIS Technical Requirement (C– or higher)		
GEOG272	3	
GEOG276	3	
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] Refer to the department website for specific supporting area courses: http://www.geog.umd.edu/content/gis		
MATH120/140/136	3/4	
Supporting Course 2	3	
Supporting Course 3	3	
Supporting Course 4	3	
Supporting Course 5	3	

GEOSPATIAL DATA SCIENCE –GRADUATION PLAN

Year 1	Fall		Spring	
Complete your graduation plan! Benchmark 1 Requirements must be completed in 2 semesters Academic Writing Gen Ed course 1 Gen Ed course 2 MATH120, 140, or 136 GEOG 201 & 211 or GEOG 202 Additional GEOG course	Course	Credit	Course	Credit
	ENGL 101 (AW: Academic Writing)	3	OC (Oral Communication)	3
	MATH 120/140 (MA: Fundamental Studies Math and AR: Analytical Reasoning) (Supporting Sequence 1)	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	GEOG212	1
	UNIV 100 or BSOS361	1	Elective	3
			Elective	3
	Total	14		Total
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
	HS (History/Social Sciences)*	3	GEOG 373	3
	GEOG 272	3	GEOG Physical Gateway Course	3
	GEOG Human Gateway Course	3	Supporting Sequence 2	3
	Elective	3	Elective	3
	Total	15		Total
Year 3	Fall		Spring	
When you're between 75—89 credits, watch out for an email from your Advisors regarding your remaining degree requirements!	Course	Credit	Course	Credit
	ENGL 39X (PW: Professional Writing)	3	SP (Scholarship in Practice –non-major)*	3
	GEOG 276	3	GEOG Additional Course 1 UL	3
	Supporting Sequence 3	3	GEOG 306	3
	UP (Understanding Plural Societies)*	3	Elective	3
	Elective	3	Elective	3
	Total	15		Total
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	3
	Total	15		Total

***Important Planning Notes:**

- All students must take two Distributive Studies courses that will also count for the SCIS: Big Question requirement. (Big Question courses 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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