

ADVANCE

A NOVA | MASON PARTNERSHIP

A.S. Social Science: Geospatial Specialization
/ B.S. Geography Pathway
2021-2022

A.S. Social Science: Geospatial Specialization

ADVANCE Program Milestones

ADVANCE Milestone Requirements: All ADVANCE students must adhere to the following requirements. For Milestones #1-#3, failure to meet these milestones will prevent a student from matriculating to Mason and/or result in termination from ADVANCE. For Milestones #4-#6, failure to meet these milestones may delay matriculation to Mason.

- Students must complete their NOVA degree within 4 years of being admitted into ADVANCE. Students are highly encouraged to be continuously enrolled at NOVA/Mason to support progress towards degree completion.
- Students must maintain a minimum 2.5 cumulative GPA at NOVA and must have a minimum 2.5 GPA upon matriculation to Mason.
- Students who wish to enroll at Mason for the fall semester must apply for NOVA graduation by March 1 for spring graduation or June 1 for summer graduation. Students who wish to enroll at Mason for the spring semester must apply for NOVA graduation by October 1 for winter graduation.
- Students must begin developmental coursework in no later than the first semester in ADVANCE at NOVA.
- Students must take first college-level MTH course and ENG 111 in the semester immediately following the completion of any MDE or EDE courses (excluding summer).
- In the first 30 credits, students must:
 - Complete ENG 111 and ENG 112 with a C or better.
 - Complete the first college-level MTH course with a C or better.

	NOVA DEGREE REQUIREMENT	Credits	Courses	MASON TRANSFER EQUIVALENT	MASON CORE/DEGREE EQUIVALENT
1	SDV Course	1	SDV 100 College Success Skills OR SDV 101 Orientation to XXX	UNIV 100	General Elective
2	ENG 111	3	ENG 111 College Composition I	ENGH 101	Written Comm
3	GIS 101	3	GIS 101 Introduction to Geospatial Technology	GGG 110	Major
4	MTH 167 Required (NOVA Catalog: MTH 154 or Higher)	5	MTH 167 Pre-Calculus with Trigonometry	MATH 105	General Elective
5	Science Course #1	4	BIO 101 General Biology I OR ENV 121 General Environmental Science I OR GOL 105 Physical Geology OR PHY 101 Introduction to Physics I OR	BIOL 103/105 EVPP 108/109 GEOL 101 PHYS 103	Nat Science
6	ENG 112	3	ENG 112 College Composition II	ENGH XXX	General Elective
7	ITE 115 or ITE 119	3	CDS 130 Computing For Scientists	CDS 130	Major & Info Tech
8	GIS 200	4	GIS 200 Geographical Information Systems I	GGG L311	Major
9	MTH 263 Required (NOVA Catalog: MTH 245 or Higher)	4	MTH 263 Calculus I	MATH 113	Major & Quantitative
10	Science Course #2	4	BIO 101 General Biology I OR BIO 102 General Biology II OR ENV 121 General Environmental Science I OR ENV 122 General Environmental Science II OR GOL 105 Physical Geology OR GOL 106 Historical Geology OR PHY 101 Introduction to Physics I OR PHY 102 Introduction to Physics II	BIOL 103/105 BIOL 102 EVPP 108/109 EVPP 112/113 GEOL 101 GEOL 102/104 PHYS 103 PHYS 104	Nat Science
11	CST Course	3	CST 100 Principles of Public Speaking OR CST 110 Introduction to Communication	COMM 100 COMM 101	Oral Comm
12	GEO 200	3	GEO 200 Introduction to Physical Geography	GGG 102	Major
13	GIS 201	4	GIS 201 Geographical Information Systems II	GGG L470	Major
14	HIS Course	3	HIS 101 History of Western Civilization I OR HIS 102 History of Western Civilization II OR HIS 112 History of World Civilization II	HIST 101 HIST 102 HIST 125	Western Civ

15	Humanities/Fine Arts	3	ART 100 Art Appreciation OR ART 101 History and Appreciation of Art I OR ART 102 History and Appreciation of Art II OR CST 130 Introduction to Theatre OR CST 151 Film Appreciation I OR MUS 121 Music Appreciation I	ARTH 101 ARTH 200 ARTH 201 THR 101 ENGL L372 MUSI 101	Arts
16	ENG Literature Elective	3	ENG 236 Introduction to the Short Story OR ENG 241 Survey of American Literature I OR ENG 242 Survey of American Literature II OR ENG 251 Survey of World Literature I OR ENG 252 Survey of World Literature II OR ENG 253 Survey of African-American Literature I	ENGL 202	Literature
17	GIS 203	3	GIS 203 Cartography for GIS	GIS 1310	Major
18	PSY 200	3	PSY 200 Principles of Psychology	PSYC 100	Soc/Behav
19	Social/Behavioral Sciences #1	3	GEO 210 People and the Land: Intro to Cultural Geography	GIS 103	Major
20	Social/Behavioral Sciences #2	3	GEO 220 World Regional Geography	GIS 101	Major & Global
A. S. SOCIAL SCIENCE (GEO)		65			
DEGREE TOTAL		65			

For academic policies and procedures, please see NOVA catalog - <http://www.nvcc.edu/catalog/index.html>

B.S. Geography

	MASON DEGREE REQUIREMENT	Credits	Course	MASON CORE/DEGREE EQUIVALENT	
21	Outside Requirements	3	STAT 250 Introductory Statistics I	Major	
22	Core Courses	3	GIS 379 Remote Sensing	Major	
23	Breadth and Experience Courses	3	Approved Advanced Technique Courses ¹	Major	
24	General Electives	3	General Electives or Minor (Upper-level, See: Advisor)	General Elective	
25	General Electives	3	General Electives (See: Advisor)	General Elective	
26	Core Courses	3	GIS 300 Quantitative Methods for Geographical Analysis	Major	
27	Breadth and Experience Courses	3	Approved Advanced Technique Courses ¹	Major	
28	Gen Ed: Written Communication (Upper-level)	3	ENGL 302 Advanced Composition	Written Comm	
29	Core Courses	1	GIS 400 Colloquium in Geoinformational Science	Major	
30	Gen Ed: Synthesis and Geography Electives	3	GIS 303 Geography of Resource Conservation OR GIS 304 Population Geography	Synthesis & Major	
31	Breadth and Experience Courses	3	Approved Systematic Course ¹	Major	
32	General Electives	3	General Electives or Minor (Upper-level, See: Advisor)	General Elective	
33	General Electives	3	General Electives or Minor (Upper-level, See: Advisor)	General Elective	
34	General Electives	3	General Electives or Minor (See: Advisor)	General Elective	
35	Core Courses	3	GIS 415 Seminar in Geography ²	Major & Writing Intensive	
36	Geography Electives	3	Any 300- or 400-level GIS course	Major	
37	Breadth and Experience Courses	3	Approved Regional Course ¹	Major	
38	General Electives	3	General Electives or Minor (Upper-level, See: Advisor)	General Elective	
39	General Electives	3	General Electives or Minor (Upper-level, See: Advisor)	General Elective	
B.S. GEOGRAPHY DEGREE TOTAL		120			

Denotes a course that must be taken at George Mason University. Please see your Success Coach to enroll.

Important Academic Information:

¹For approved Breadth and Experience and other major-related courses, please visit: <https://catalog.gmu.edu/colleges-schools/science/geography-geoinformation-science/geography-bs/#requirements>

²GGIS 400 is generally offered during the Fall term and GGIS 415 is generally offered in the Spring term.

Additional General Notes & Resources:

- Candidates for the Geography degree must complete the following Core, Breadth and Experience, and Geography Elective courses with a minimum GPA of 2.00. Students interested pursuing a Bachelor's/Accelerated Master's (BAM) program should contact their advisor soon after transferring to Mason. For more information about BAM program, visit: <https://catalog.gmu.edu/colleges-schools/science/geography-geoinformation-science/geography-bs/#acceleratedmasterstext>
- ADVANCE students who earn at least a 2.85 cumulative GPA and no more than 9 credits of unrepeated D/F grades may be eligible to receive a waiver for any lower-level Mason Core courses not already completed. To be eligible for the core waiver, students must also complete the requirements of the AA or AS degree listed on their pathway, and apply to graduate from NOVA by the deadline (see milestone #3). Students must meet these criteria by the time of matriculation to Mason and provide the Office of Admissions a final, official transcript reflecting the degree conferral date.
- For academic policies and procedures, please see Mason catalog - <https://catalog.gmu.edu/policies/>
- Students seeking a bachelor's degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation.