

ADVANCE

A NOVA | MASON PARTNERSHIP

A.S. Social Sciences: Geospatial
Specialization / B.S. Geography Pathway
2024-2025

A.S. Social Sciences: 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-#7, failure to meet these milestones may delay matriculation to Mason.

1. 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.
2. Students must maintain a minimum 2.5 cumulative GPA at NOVA and must have a minimum 2.5 GPA upon matriculation to Mason.
3. Students who wish to enroll at Mason for the fall semester must apply for NOVA spring graduation by March 1 or summer graduation by June 1. Students who wish to enroll at Mason for the spring semester must apply for NOVA fall graduation by October 1.
4. Students must begin developmental coursework no later than the first semester in ADVANCE at NOVA.
5. 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).
6. In the first 30 credits, students must complete ENG 111 and ENG 112 with a C or better.
7. Students must complete a Mason Core Quantitative Reasoning course equivalent with a C or better no later than one semester before NOVA graduation. Refer to your pathway to select the appropriate MTH course(s).

	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 ¹	ENGH XXX	General Elective
3	GIS 101	3	GIS 101 Introduction to Geospatial Technology	GGs 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 Foundations of Environmental Science OR GOL 105 Physical Geology OR GOL 111 Oceanography I OR PHY 100 Elements of Physics	BIOL 103/105 EVPP 108/109 GEOL 101/103 GEOL 120/121 PHYS 103	Nat Science
6	ENG 112	3	ENG 112 College Composition II ¹	ENGH 101	Written Comm
7	ITE 152	3	ITE 152 Introduction to Digital and Information Literacy and Computer Applications	IT 104	Info Tech
8	GIS 200	4	GIS 200 Geographical Information Systems I	GGs 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 Foundations of Environmental Science OR ENV 122 Applications in Environmental Science OR GOL 105 Physical Geology OR GOL 106 Historical Geology OR GOL 111 Oceanography I OR PHY 100 Elements of Physics	BIOL 103/105 BIOL 102 EVPP 108/109 EVPP 112/113 GEOL 101/103 GEOL 102/104 GEOL 120/121 PHYS 103	Nat Science
11	CST Course	3	CST 100 Principles of Public Speaking OR CST 110 Introduction to Human Communication	COMM 100 COMM 101	Oral Comm
12	GEO 200	3	GEO 200 Introduction to Physical Geography	GGs 102	Major
13	GIS 201	4	GIS 201 Geographical Information Systems II	GGs L470	Major

14	HIS Course	3	HIS 101 Western Civilizations Pre-1600 CE OR HIS 102 Western Civilizations Post-1600 CE OR HIS 112 World Civilizations Post-1500 CE (<i>recommended</i>)	HIST 101T HIST 102T HIST 125	Global History
15	Humanities/Fine Arts	3	ART 100 Art Appreciation OR ART 101 History of Art: Prehistoric to Gothic OR ART 102 History of Art: Renaissance to Modern OR CST 130 Introduction to Theatre OR CST 151 Film Appreciation I OR MUS 121 Music in Society	ARTH 101 ARTH 200 ARTH 201 THR 101 ENGH L372 MUSI 101	Arts
16	ENG Literature Elective	3	ENG 225 Reading Literature: Culture and Ideas OR ENG 245 British Literature OR ENG 246 American Literature OR ENG 255 World Literature OR ENG 258 African American Literature OR ENG 275 Women in Literature OR Any 200-Level ENG Literature course ²	ENGH 202 or FRLN L330 (ENG 255 only)	Literature
17	GIS 203	3	GIS 203 Cartography for GIS	GGG L310	Major
18	PSY 200 or SOC 200	3	PSY 200 Principles of Psychology OR SOC 200 Introduction to Sociology	PSYC 100 SOCI 101	Soc/Behav
19	Social/Behavioral Sciences #1	3	GEO 210 People and the Land: An Intro to Cultural Geography	GGG 103	Major
20	Social/Behavioral Sciences #2	3	GEO 220 World Regional Geography	GGG 101	General Elective

A. S. SOCIAL SCIENCES (GEO)
DEGREE TOTAL 65

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

B.S. Geography

Concentrations: Geoinformatics, Geospatial Intelligence, Urban Science

	MASON DEGREE REQUIREMENT	Credits	Course	MASON CORE/DEGREE EQUIVALENT
21	Core Courses	3	GGG 300 Quantitative Methods for Geographical Analysis	Major
22	Concentration Courses	3	Approved Concentration Course ³	Major
23	Breadth and Experience Courses	3	Approved Systematic Course ³	Major
24	Breadth and Experience Courses	3	GGG 379 Remote Sensing	Major
25	Breadth and Experience Courses	3	GGG 366 Spatial Computing	Major
26	Concentration Courses	3	Approved Upper-Level Concentration Course ³	Major
27	Concentration Courses	3	Approved Upper-Level Concentration Course ³	Major
28	Gen Ed: Written Communication (Upper- level)	3	ENGH 302 Advanced Composition	Written Comm
29	General Electives	3	Upper Level General Electives (See: Advisor)	General Elective
30	Geography Electives	3	Upper-Level GGG Elective ³	Major
31	Breadth and Experience Courses	3	Approved Regional Course ³	Major
32	Concentration Courses	3	Approved Upper-Level Concentration Course ³	Major
33	Concentration Courses	3	Approved Upper-Level Concentration Course ³	Major

34	General Electives	3	General Electives (See: Advisor)	General Elective
35	Core Courses	3	GGG 415 Seminar in Geographic Thought and Methodology ⁴	Major & Writing Intensive
36	Gen Ed: Apex & Core Courses	3	GGG 485 Capstone in Geography and Geoinformation Science	Major & Apex
37	Geography Electives	3	Upper-Level GGS Elective ³	Major
38	Concentration Courses	3	Approved Upper-Level Concentration Course ³	Major
39	General Electives	3	General Electives (See: Advisor)	General Elective
B.S. GEOGRAPHY DEGREE TOTAL				
122				
Important Academic Information: ¹ Students who complete ENG 111 after Spring 2024 will earn ENGH elective for ENG 111 and ENGH 101 for ENG 112. ² 200-level ENG literature classes include: ENG 225, ENG 230, ENG 236, ENG 237, ENG 245, ENG 246, ENG 250, ENG 255, ENG 256, ENG 257, ENG 258, ENG 271, ENG 275, and ENG 279. ³ For approved Breadth and Experience and other-major-related courses, please visit: https://catalog.gmu.edu/colleges-schools/science/geography-geoinformation-science/geography-bs/#requirements . ⁴ GGG 415 is generally offered in the Spring term.				
General Education Waiver Policy and Guidance: <ul style="list-style-type: none"> Students who complete a VCCS transfer associate degree (AS, AA, or AFA) will receive a waiver of the Foundation and Exploration (lower division) Mason Core general education categories, which can be found here: https://catalog.gmu.edu/mason-core/ . To be eligible for the waiver, the students must provide the Mason Office of Admissions with a final, official transcript reflecting the degree conferral date. As a prerequisite for ENGH 302, ENGH 101 is not waived. Students must complete ENGH 100 or ENGH 101, or an equivalent, with a C or higher. When a course fulfills a Mason Core requirement and a major or college requirement (e.g. Major & Quant), students must complete the course listed on the pathway to fulfill the major/college requirement. Courses that fulfill only Mason Core Foundation and Exploration categories are recommendations. In most pathways, ADVANCE students must complete a Quantitative Reasoning course to matriculate through ADVANCE. ADVANCE students must complete the associate degree indicated on their pathway (see the ADVANCE Program Milestones listed above). Students who withdraw from ADVANCE and transfer without the associate degree or UCGS are required to complete each Mason Core general education category. 				
Additional General Notes & Resources: <ul style="list-style-type: none"> Candidates for the Geography degree must complete the following Core, Breadth and Experience, and Geography Elective courses with a minimum GPA of 2.0 0. 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/#acceleratedmaster . 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. 				