

# ADVANCE

A NOVA | MASON PARTNERSHIP

A.S. Social Sciences: Geospatial Specialization  
/ B.S. Geography Pathway  
**2023-2024**

## 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 <b>OR</b> SDV 101 Orientation to XXX	UNIV 100	General Elective
2	ENG 111	3	ENG 111 College Composition I <sup>1</sup>	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 <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> GOL 105 Physical Geology <b>OR</b> PHY 100 Elements of Physics	BIOL 103/105 EVPP 108/109 GEOL 101/103 PHYS 103	Nat Science
6	ENG 112	3	ENG 112 College Composition II <sup>1</sup>	ENGH XXX	General Elective
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	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 <b>OR</b> BIO 102 General Biology II <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> ENV 122 General Environmental Science II <b>OR</b> GOL 105 Physical Geology <b>OR</b> GOL 106 Historical Geology <b>OR</b> PHY 100 Elements of Physics	BIOL 103/105 BIOL 102 EVPP 108/109 EVPP 112/113 GEOL 101/103 GEOL 102/104 PHYS 103	Nat Science
11	CST Course	3	CST 100 Principles of Public Speaking <b>OR</b> CST 110 Introduction to Human 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 Western Civilizations Pre-1600 CE <b>OR</b> HIS 102 Western Civilizations Post-1600 CE <b>OR</b> HIS 112 World Civilizations Post-1500 CE ( <i>recommended</i> )	HIST 101 HIST 102 HIST 125	Global History
15	Humanities/Fine Arts	3	ART 100 Art Appreciation <b>OR</b> ART 101 History of Art: Prehistoric to Gothic <b>OR</b> ART 102 History of Art: Renaissance to Modern <b>OR</b> CST 130 Introduction to Theatre <b>OR</b> CST 151 Film Appreciation I <b>OR</b> 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 <b>OR</b> ENG 245 British Literature <b>OR</b> ENG 246 American Literature <b>OR</b> ENG 255 World Literature <b>OR</b> ENG 258 African American Literature <b>OR</b> ENG 275 Women in Literature <b>OR</b> Any 200-Level ENG Literature course <sup>2</sup>	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 <b>OR</b> SOC 200 Introduction to Sociology	PSYC 100 SOCL 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	Global Understanding

**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	Concentration Courses	3	Approved Concentration Course <sup>3</sup>	Major
22	Breadth and Experience Courses	3	GGG 379 Remote Sensing	Major
23	Concentration Courses	3	Approved Upper-Level Concentration Course <sup>3</sup>	Major
24	Concentration Courses	3	Approved Upper-Level Concentration Course <sup>3</sup>	Major
25	Breadth and Experience Courses	3	GGG 366 Spatial Computing	Major
26	Core Courses	3	GGG 300 Quantitative Methods for Geographical Analysis	Major
27	Concentration Courses	3	Approved Upper-Level Concentration Course <sup>3</sup>	Major
28	Gen Ed: Written Communication (Upper-level)	3	ENGH 302 Advanced Composition	Written Comm
29	Gen Ed: Synthesis and Geography Electives	3	GGG 303 Geography of Resource Conservation <b>OR</b> GGG 304 Population Geography	Synthesis & Major
30	Breadth and Experience Courses	3	Approved Systematic Course <sup>3</sup>	Major
31	Core Courses	3	GGG 485 Capstone in Geography and Geoinformation Science	Major

32	Concentration Courses	3	Approved Upper-Level Concentration Course <sup>3</sup>	Major
33	General Electives	3-4	General Electives (See: Advisor)	General Elective
34	Core Courses	3	GGs 415 Seminar in Geographic Thought and Methodology <sup>4</sup>	Major & Writing Intensive
35	Geography Electives	3	Any 300- or 400-level GGS course	Major
36	Breadth and Experience Courses	3	Approved Regional Course <sup>3</sup>	Major
37	General Electives	3	General Electives (See: Advisor)	General Elective
38	Concentration Courses	3-4	Approved Upper-Level Concentration Course <sup>3</sup>	Major

<b>B.S. GEOGRAPHY DEGREE</b>				
<b>TOTAL</b>		<b>120</b>		

**Important Academic Information:**

<sup>1</sup>Students who complete ENG 111 after Spring 2024 will earn ENGH elective for ENG 111 and ENGH 101 for ENG 112.

<sup>2</sup>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.

<sup>3</sup>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>

<sup>4</sup>GGs 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>
- Students who complete a VCCS transfer associate degree (AS, AA, & AFA) will receive a waiver of the Foundation and Exploration (lower division) Mason Core general education categories. 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.
- 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.