

## 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 <b>OR</b><br>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<br>(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><br>ENV 121 General Environmental Science I <b>OR</b><br>GOL 105 Physical Geology <b>OR</b><br>PHY 101 Introduction to Physics I <b>OR</b>   | BIOL 103/105<br>EVPP 108/109<br>GEOL 101<br>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<br>(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><br>BIO 102 General Biology II <b>OR</b><br>ENV 121 General Environmental Science I <b>OR</b><br>ENV 122 General Environmental Science II <b>OR</b><br>GOL 105 Physical Geology <b>OR</b><br>GOL 106 Historical Geology <b>OR</b><br>PHY 101 Introduction to Physics I <b>OR</b><br>PHY 102 Introduction to Physics II | BIOL 103/105<br>BIOL 102<br>EVPP 108/109<br>EVPP 112/113<br>GEOL 101<br>GEOL 102/104<br>PHYS 103<br>PHYS 104 | Nat Science                  |
| 11 | CST Course  | 3       | CST 100 Principles of Public Speaking <b>OR</b><br>CST 110 Introduction to Communication  | COMM 100<br>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 <b>OR</b><br>HIS 102 History of Western Civilization II <b>OR</b><br>HIS 112 History of World Civilization II   | HIST 101<br>HIST 102<br>HIST 125   | Western Civ                  |

|   |   |         |   |  |      |   |  |                               |            |   |  |          |                |
|---|---|---------|---|--|------|---|--|-------------------------------|------------|---|--|----------|----------------|
| 15  | Humanities/Fine Arts                        | 3       | ART 100 Art Appreciation <b>OR</b><br>ART 101 History and Appreciation of Art I <b>OR</b><br>ART 102 History and Appreciation of Art II <b>OR</b><br>CST 130 Introduction to Theatre <b>OR</b><br>CST 151 Film Appreciation I <b>OR</b><br>MUS 121 Music Appreciation I | ARTH 101<br>ARTH 200<br>ARTH 201<br>THR 101<br>ENGH L372<br>MUSI 101 | Arts |   |  |                               |            |   |  |          |                |
|   |   |         | 16  | ENG Literature Elective  |      | 3 | ENG 236 Introduction to the Short Story <b>OR</b><br>ENG 241 Survey of American Literature I <b>OR</b><br>ENG 242 Survey of American Literature II <b>OR</b><br>ENG 251 Survey of World Literature I <b>OR</b><br>ENG 252 Survey of World Literature II <b>OR</b><br>ENG 253 Survey of African-American Literature I | ENGH 202                      | Literature |   |  |          |                |
|   |   |         |   |  |      |   | 17   | GIS 203                       |            | 3 | GIS 203 Cartography for GIS                              | GGG L310 | 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 | GGG 103  | Major          |
|   |   |         |   |  |      |   | 20   | Social/Behavioral Sciences #2 |            | 3 | GEO 220 World Regional Geography                         | GGG 101  | Major & Global |
| A. S. SOCIAL SCIENCE (GEO)  |   | 65      |   |  |      |   |  |                               |            |   |  |          |                |
| DEGREE TOTAL  |   |         |   |  |      |   |  |                               |            |   |  |          |                |
| For academic policies and procedures, please see NOVA catalog - <a href="http://www.nvcc.edu/catalog/index.html">http://www.nvcc.edu/catalog/index.html</a> |   |         |   |  |      |   |  |                               |            |   |  |          |                |
| 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       | GGG 379 Remote Sensing  | Major  |      |   |  |                               |            |   |  |          |                |
| 23  | Breadth and Experience Courses              | 3       | Approved Advanced Technique Courses <sup>1</sup>  | 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       | GGG 300 Quantitative Methods for Geographical Analysis  | Major  |      |   |  |                               |            |   |  |          |                |
| 27  | Breadth and Experience Courses              | 3       | Approved Advanced Technique Courses <sup>1</sup>  | Major  |      |   |  |                               |            |   |  |          |                |
| 28  | Gen Ed: Written Communication (Upper-level) | 3       | ENGH 302 Advanced Composition   | Written Comm   |      |   |  |                               |            |   |  |          |                |
| 29  | Core Courses                                | 1       | GGG 400 Colloquium in Geoinformational Science  | Major  |      |   |  |                               |            |   |  |          |                |
| 30  | Gen Ed: Synthesis and Geography Electives   | 3       | GGG 303 Geography of Resource Conservation <b>OR</b><br>GGG 304 Population Geography  | Synthesis & Major  |      |   |  |                               |            |   |  |          |                |
| 31  | Breadth and Experience Courses              | 3       | Approved Systematic Course <sup>1</sup>   | 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       | GGG 415 Seminar in Geography <sup>2</sup>   | Major & Writing Intensive  |      |   |  |                               |            |   |  |          |                |
| 36  | Geography Electives                         | 3       | Any 300- or 400-level GGG course  | Major  |      |   |  |                               |            |   |  |          |                |
| 37  | Breadth and Experience Courses              | 3       | Approved Regional Course <sup>1</sup>   | 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:**

<sup>1</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>2</sup>GGIS 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 unrepeatable 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.