

# ADVANCE

A NOVA | MASON PARTNERSHIP

A.S. Social Science Geospatial  
Specialization/B.S. Geography

2019-20

## A.S. Social Science Geospatial Specialization Pathway

2019-2020

### ADVANCE Program Milestones

1. Students must take SDV 100 or SDV 101 in the first semester at NOVA.
2. Students must begin Developmental coursework in the first semester in ADVANCE at NOVA.
3. Students must take first college-level MTH course and ENG 111 in the semester immediately following the completion of any MTE or ENF courses (excluding summer).
4. In the first 30 credits, students must:
  - a. Complete ENG 111 and ENG 112 with a C or better.
  - b. Complete the first college-level MTH course with a C or better.
5. Students must complete at least six degree-applicable credits with a C or better each fall and spring semester.
6. Students must maintain a 2.5 cumulative GPA.
7. Students must apply for NOVA graduation and complete their Associate's degree.

|    | NOVA DEGREE REQUIREMENT SEQUENCE | 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   | Elective                     |
| 2  | ENG 111                          | 3       | ENG 111 College Composition I  | ENGH 101   | Written Comm                 |
| 3  | 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                    |
| 4  | GIS 101                          | 3       | GIS 101 Introduction to Geospatial Technology I  | GGS 110  | DEGREE                       |
| 5  | MTH 154 or Higher                | 5       | MTH 167 Pre-Calculus with Trigonometry   | MATH 105   | Elective                     |
| 6  | Science Course #1                | 4       | BIO 101 General Biology I <b>OR</b><br>CHM 101 General Chemistry 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<br>CHEM 103<br>EVPP 110<br>GEOL 101<br>PHYS 103             | NAT SCIENCE                  |
| 7  | ENG 112                          | 3       | ENG 112 College Composition II   | ENGH XXX   | Elective                     |
| 8  | PSY 200                          | 3       | PSY 200 Introduction to Psychology   | PSYC 100   | Soc/Behav                    |
| 9  | Science Course #2                | 4       | BIO 102 General Biology II <b>OR</b><br>CHM 102 General Chemistry II <b>OR</b><br>ENV 121 General Environmental Science II <b>OR</b><br>GOL 106 Historical Geology <b>OR</b><br>PHY 102 Introduction to Physics II   | BIOL 104<br>CHEM 104<br>EVPP 111<br>GEOL 102<br>PHYS 104             | NAT SCIENCE                  |
| 10 | GIS 200                          | 4       | GIS 200 Geographical Information Systems I   | GGS L311   | DEGREE                       |
| 11 | ITE 115                          | 3       | CDS 130 Computing for Scientists   | CDS 130  | Info Tech                    |
| 12 | Humanities/Fine Arts #1          | 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                         |
| 13 | MTH 245 or Higher                | 4       | MTH 263 Calculus I   | MATH 113   | Quant                        |
| 14 | GIS 201                          | 4       | GIS 201 Geographical Information Systems II  | GGS L470   | DEGREE                       |
| 15 | GEO 200                          | 3       | GEO 200 Introduction to Physical Geography   | GGS 102  | DEGREE                       |
| 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  | GGS L310   | DEGREE                       |
| 18 | Social/Behavioral Science #1     | 3       | GEO 210 People and the Land: Intro to Cultural Geography   | GGS 103  | DEGREE                       |

|  |                              |           |   |                                  |             |
|--|------------------------------|-----------|---|----------------------------------|-------------|
| 19                                       | Social/Behavioral Science #2 | 3         | GEO 220 World Regional Geography  | GGs 101                          | Global      |
| 20                                       | 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 |
| <b>A. S. SOCIAL SCIENCE DEGREE TOTAL</b> |                              | <b>65</b> |   |                                  |             |

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

|                                    | MASON DEGREE REQUIREMENT SEQUENCE         | Credits    | Course   | MASON CORE/DEGREE EQUIVALENT |  |
|------------------------------------|---|------------|--|------------------------------|--|
| 21                                 | Outside Requirements                      | 3          | STAT 250 Introductory Statistics I   | DEGREE                       |  |
| 22                                 | Core Courses                              | 3          | GGs 379 Remote Sensing <b>OR</b><br>GGs 412 Air Photography Interpretation           | DEGREE                       |  |
| 23                                 | Breadth and Experience Courses            | 3          | Approved Advanced Technique Courses*   | DEGREE                       |  |
| 24                                 | General Electives                         | 3          | General Electives or Minor (Upper-level See: Advisor)                                | DEGREE                       |  |
| 25                                 | General Electives                         | 3          | General Electives (See: Advisor)   | DEGREE                       |  |
| 26                                 | Core Courses                              | 3          | GGs 300 Quantitative Methods for Geographical Analysis                               | DEGREE                       |  |
| 27                                 | Breadth and Experience Courses            | 3          | Approved Advanced Technique Courses*   | DEGREE                       |  |
| 28                                 | Gen Ed: Written Communication (UL)        | 3          | ENGH 302 Advanced Composition  | Written Comm                 |  |
| 29                                 | Core Courses                              | 1          | GGs 400 Colloquium in Geoinformational Science**                                     | DEGREE                       |  |
| 30                                 | Gen Ed: Synthesis and Geography Electives | 3          | GGs 303 Geography of Resource Conservation <b>OR</b><br>GGs 304 Population Geography | DEGREE + Synthesis           |  |
| 31                                 | Breadth and Experience Courses            | 3          | Approved Systematic Course*  | DEGREE                       |  |
| 32                                 | General Electives                         | 3          | General Electives or Minor (Upper-level See: Advisor)                                | DEGREE                       |  |
| 33                                 | General Electives                         | 3          | General Electives or Minor (Upper-level See: Advisor)                                | DEGREE                       |  |
| 34                                 | General Electives                         | 3          | General Electives or Minor (See: Advisor)  | DEGREE                       |  |
| 35                                 | Core Courses                              | 3          | GGs 415 Seminar in Geography**   | Writing Intensive            |  |
| 36                                 | Geography Electives                       | 3          | Any 300- or 400-level GGS course   | DEGREE                       |  |
| 37                                 | Breadth and Experience Courses            | 3          | Approved Regional Course*  | DEGREE                       |  |
| 38                                 | General Electives                         | 3          | General Electives or Minor (Upper-level See: Advisor)                                | DEGREE                       |  |
| 39                                 | General Electives                         | 3          | General Electives or Minor (Upper-level See: Advisor)                                | Synthesis                    |  |
| <b>B.S. GEOGRAPHY DEGREE TOTAL</b> |   | <b>120</b> |  |                              |  |

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

\*For approved Breadth and Experience courses, please visit: <https://catalog.gmu.edu/colleges-schools/science/geography-geoinformation-science/geography-bs/#requirementstext>

\*\*GGs 400 is generally offered during the Fall term and GGS 415 is generally offered in the Spring term.

General Note: Candidates for the Geography degree must complete the following Core, Breadth and Experience, and Geography Elective courses with a minimum GPA of 2.00.

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 requirements