

A.S. Science

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 MTT 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 approve for NOVA graduation and complete their Associate's degree.

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	Elective
2 ENG 111	3	ENG 111 College Composition I	ENGH 101	Written Comm
3 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
4 MTH 167	5	MTH 167 Pre-Calculus with Trigonometry	MATH 105	Elective
5 ITE 115 or General Education	3	ITE 115 Introduction to Computer Applications and Concepts	IT 103	Info Tech
6 ENG 112	3	ENG 112 College Composition II	ENGH XXX	Elective
7 CST Course	3	CST 100 Principles of Public Speaking OR CST 110 Introduction to Communication	COMM 100 COMM 101	Oral Comm
8 MTH 263	4	MTH 263 Calculus I	MATH 113	Quantitative
9 Social/Behavioral Sciences #1	3	ECO 201 Principles of Macroeconomics OR ECO 202 Principles of Microeconomics OR GEO 210 Introduction to Cultural Geography OR HIS 121 United States History I OR HIS 122 United States History II OR PLS 135 American National Politics OR PLS 211 United States Government I OR PSY 200 Principles of Psychology OR PSY 230 Developmental Psychology OR SOC 200 Principles of Sociology OR SOC 211 Principles of Anthropology I	ECON 104 ECON 103 GGS 103 HIST 121 HIST 122 GOVT 103 GOVT 103 PSYC 100 PSYC 211 SOCI 101 ANTH 114	Soc/Behav
10 Science Course #1	4	CHM 111 General Chemistry I	CHEM 211-213	Nat Science
11 MTH 264	4	MTH 264 Calculus II	MATH 114	Major
12 Humanities/Fine Arts #1	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 ENGH L372 MUSI 101	Arts
13 Math or Science #1	4	EVPP 210 Environmental Biology: Molecules and Cells	EVPP 210	Major
14 Math or Science #2	4	CHM 112 General Chemistry II	CHEM 212-214	Nat Science
15 Math or Science #3	4	BIOL 214 Biostatistics for Biology Majors	BIOL 214	Major
16 Science Course #2	4	GOL 106 Historical Geology	GEOL 102	Major

17	Social/Behavioral Sciences #2	3	GEO 220 World Regional Geography OR PLS 140 Introduction to Comparative Gov't OR PLS 241 International Relations I	GGS 101 GOVT 133 GOVT 132	Global
18	Humanities/Fine Arts #2	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	ENGH 202	Literature

A.S. SCIENCE DEGREE TOTAL 61

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

B.S. Environmental Science

Concentrations: Conservation; Ecological Science; Environmental Health; Human and Ecosystem Response to Climate Change; Marine, Estuarine and Freshwater Ecology; Wildlife.

	MASON DEGREE REQUIREMENT	Credits	Course	MASON CORE/DEGREE EQUIVALENT
19	Gen Ed: Written Communication (UL)	3	ENGH 302 Advanced Composition	Written Comm
20	Major Requirements	3	CDS 130 Computing for Scientists	Major
21	Major Requirements	4	EVPP 301 Environmental Science: Biological Diversity and Ecosystems	Major
22	Major Requirements	4	EVPP 305 Environmental Microbiology Essentials AND EVPP 306 Environmental Microbiology Essentials Lab	Major
23	Major Requirements	3	EVPP 337 Environmental Policy Making in Developing Countries	Major
24	Major Requirements	4	EVPP 302 Environmental Science: Biomes and Human Dimensions	Major
25	Major Requirements	3	EVPP 336 Human Dimensions of the Environment OR EVPP 338 Economics of Environmental Policy OR EVPP 362 Intermediate Environmental Policy OR EVPP 475 Global Biodiversity Governance	Major
26	Major Requirements	3	EVPP 361 Introduction to Environmental Policy	Major
27	Major Requirements	3	EVPP 430 Fundamentals of Environmental Geographic Information Systems	Major
28	Major Requirements	3	EVPP 377 Applied Ecology	Major
29	Concentration Requirements	3	Approved Concentration Course*	Major
30	Concentration Requirements	3	Approved Concentration Course*	Major
31	Concentration Requirements	3	Approved Concentration Course*	Major
32	Concentration Requirements	3	Approved Concentration Course*	Major
33	Concentration Requirements	3	Approved Concentration Course*	Major
34	Concentration Requirements	3	Approved Concentration Course*	Major
35	Concentration Requirements	3	Approved Concentration Course*	Major
36	Concentration Requirements/General Elective	3	Approved Concentration Course or General Elective (See: Advisor)*	Major
37	Concentration Requirements/General Elective	3	Approved Concentration Course or General Elective (See: Advisor)*	Major
38	Experiential Learning	1	EVPP 395 Undergraduate Research in Environmental Science and Policy OR EVPP 494 Internship	Major
39	Gen Ed: Synthesis/Core Requirement**	4	EVPP 378 RS: Ecological Sustainability OR EVPP 480 Sustainability in Action	Synthesis

B.S. ENVR SCIENCE DEGREE TOTAL 126

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

For academic policies and procedures, please see Mason catalog - <https://catalog.gmu.edu/policies/>

*For approved Concentration courses, please visit - <https://catalog.gmu.edu/colleges-schools/science/environmental-policy/environmental-science-bs/>

**CONS 490 RS: Integrated Conservation Strategies may complete this requirement if attending the Smithsonian-Mason Semester.

Some Mason Core requirements may already be fulfilled by the major requirements listed above. Students are strongly encouraged to consult their advisors to ensure they fulfill all remaining Mason Core requirements.

Students seeking a bachelor's degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation requirements.