

# ADVANCE

A NOVA | MASON PARTNERSHIP

A.S. Science/B.S. Environmental Science

2019-20

## A.S. Science Pathway (Environmental Science)

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> 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 <b>OR</b> HIS 102 History of Western Civilization II <b>OR</b> 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 <b>OR</b> CST 110 Introduction to Communication	COMM 100 COMM 101	Oral Comm
8	MTH 263	4	MTH 263 Calculus I	MATH 113	Quant
9	Social/Behavioral Sciences #1	3	ECO 201 Principles of Macroeconomics <b>OR</b> ECO 202 Principles of Microeconomics <b>OR</b> GEO 210 Introduction to Cultural Geography <b>OR</b> HIS 121 United States History I <b>OR</b> HIS 122 United States History II <b>OR</b> PLS 135 American National Politics <b>OR</b> PLS 211 United States Government I <b>OR</b> PSY 200 Principles of Psychology <b>OR</b> PSY 230 Developmental Psychology <b>OR</b> SOC 200 Principles of Sociology <b>OR</b> SOC 212 Principles of Anthropology II	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 College Chemistry I	CHEM 211-213	NAT SCIENCE
11	MTH 264	4	MTH 264 Calculus II	MATH 114	DEGREE
12	Humanities/Fine Arts #1	3	ART 100 Art Appreciation <b>OR</b> ART 101 History and Appreciation of Art I <b>OR</b> ART 102 History and Appreciation of Art II <b>OR</b> CST 130 Introduction to Theatre <b>OR</b> CST 151 Film Appreciation I <b>OR</b> 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	DEGREE
14	Math or Science #2	4	CHM 112 College Chemistry II	CHEM 212-214	NAT SCIENCE
15	Math or Science #3	4	BIOL 214 Biostatistics for Biology Majors	BIOL 214	DEGREE
16	Science Course #2	4	GOL 106 Historical Geology	GEOL 102	DEGREE
17	Social/Behavioral Sciences #2	3	GEO 220 World Regional Geography <b>OR</b> PLS 140 Introduction to Comparative Gov't <b>OR</b> 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 <b>OR</b> ENG 241 Survey of American Literature I <b>OR</b> ENG 242 Survey of American Literature II <b>OR</b> ENG 251 Survey of World Literature I <b>OR</b> ENG 252 Survey of World Literature II <b>OR</b> ENG 253 Survey of African-American Literature I	ENGH 202	Literature
<b>A.S. SCIENCE DEGREE TOTAL</b>		<b>61</b>			

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

**Students must select a concentration:**  
Conservation; Ecological Science; Environmental Health; Human and Ecosystem Response to Climate Change;  
Marine, Estuarine and Freshwater Ecology; Wildlife

	MASON DEGREE REQUIREMENT SEQUENCE	Credits	Course	MASON CORE/DEGREE EQUIVALENT	
19	Gen Ed: Written Communication (UL)	3	ENGH 302 Advanced Composition	Written Comm	
20	Core Requirements	3	CDS 130 Computing for Scientists	DEGREE	
21	Core Requirements	4	EVPP 301 Environmental Science: Biological Diversity and Ecosystems	DEGREE	
22	Core Requirements	4	EVPP 305 Environmental Microbiology Essentials <b>AND</b> EVPP 306 Environmental Microbiology Essentials Lab	DEGREE	
23	Core Requirements	3	EVPP 337 Environmental Policy Making in Developing Countries	Writing Intensive	
24	Core Requirements	4	EVPP 302 Environmental Science: Biomes and Human Dimensions	DEGREE	
25	Core Requirements	3	EVPP 336 Human Dimensions of the Environment <b>OR</b> EVPP 338 Economics of Environmental Policy <b>OR</b> EVPP 362 Intermediate Environmental Policy <b>OR</b> EVPP 475 Global Biodiversity Governance	DEGREE	
26	Core Requirements	3	EVPP 361 Introduction to Environmental Policy	DEGREE	
27	Core Requirements	3	EVPP 430 Fundamentals of Environmental Geographic Information Systems	DEGREE	
28	Core Requirements	3	EVPP 377 Applied Ecology	DEGREE	
29	Concentration Requirements	3	Approved Concentration Course**	DEGREE	
30	Concentration Requirements	3	Approved Concentration Course**	DEGREE	
31	Concentration Requirements	3	Approved Concentration Course**	DEGREE	
32	Concentration Requirements	3	Approved Concentration Course**	DEGREE	
33	Concentration Requirements	3	Approved Concentration Course**	DEGREE	
34	Concentration Requirements	3	Approved Concentration Course**	DEGREE	
35	Concentration Requirements	3	Approved Concentration Course**	DEGREE	
36	Concentration Requirements/General Elective	3	Approved Concentration Course or General Elective (See: Advisor)**	DEGREE	
37	Concentration Requirements/General Elective	3	Approved Concentration Course or General Elective (See: Advisor)**	DEGREE	
38	Experiential Learning	1	EVPP 395 Undergraduate Research in Environmental Science and Policy <b>OR</b> EVPP 494 Internship	DEGREE	
39	Gen Ed: Synthesis/Core Requirement*	4	EVPP 378 RS: Ecological Sustainability <b>OR</b> EVPP 480 Sustainability in Action	Synthesis	
<b>B.S. ENVR SCIENCE DEGREE TOTAL</b>		<b>126</b>			

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/>

\*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