

**GEORGE MASON UNIVERSITY**  
**B.A. DEGREE IN ENVIRONMENTAL & SUSTAINABILITY STUDIES**  
 Begins Fall, 2016 Catalog Year

**MASON CORE REQUIREMENTS (36-42)** (see advising.gmu for Gen Ed. Requirements)

		Semester	Grade
3	Written communication: ENGL 100 or 101		
3	Written communication: ENGL 302 (Prerequisite: 45 credit hours, must pass with <b>C or better</b> )		
3	Oral communication COMM 100 or 101		
3	Quantitative reasoning MATH 106 or STAT 250		
3	Information technology		
3	Literature		
3	Arts		
N/A	Natural science (satisfied by completion of major requirements)		
3	Western civilization / world history: HIST 100 or 125		
N/A	Social & behavioral science (satisfied by completion of major requirements)		
3	Global understanding		
N/A	Synthesis (satisfied by completion of major requirements)		
3	Philosophy or religious studies		
3	Non-western culture		
3-9	Proficiency in a foreign language through the intermediate level (210 level)		

**MAJOR REQUIREMENTS: CORE CLASSES (42 – 43 credits)**

\*(Must pass with a grade of **C or better**)

3	◆ECON 105 <b>Environmental Economics for the Citizen</b>		
3	◆EVPP 322 <b>Business and Sustainability</b> (Prerequisites: 30 credit hours)		
3	◆EVPP 361 <b>Introduction to Environmental Policy</b> (Prerequisites: 30 credit hours) <b>OR</b> GOVT 361 <b>Introduction to Environmental Policy</b> (Prerequisites: 30 credit hours)		
3	EVPP 377 <b>Applied Ecology</b> (Prerequisites: 60 credits, including 8 credits of biology, geology, or chemistry; or permission of instructor)		
4	◆EVPP 480 <b>Sustainability in Action</b> (Prerequisites: Completed or concurrent enrollment in all other required Mason Core courses; completion of 60 credits)		
4	◆INTS 210 <b>Sustainable World</b>		
4	◆INTS 334 <b>Environmental Justice</b>		
3	INTS 490 <b>Internship</b> (Prerequisites: Sophomore standing and permission of instructor) Visit ncc.gmu.edu/current-students/internships for information. <b>MUST</b> be pre-approved by internship coordinator for credits to count towards degree.		
4	SOCI 313 <b>Statistics for the Behavioral Sciences</b> (Prerequisites: SOCI 101) <b>OR</b> BIOL 214 <b>Biostatistics for Biology Majors</b>		

And **ONE** of the following sequences of 11- 12 credits

4	⌘EVPP 110 <b>The Ecosphere: An Introduction to Environmental Science I</b>		
4	⌘ EVPP 111 <b>The Ecosphere: An Introduction to Environmental Science II</b>		
3	EVPP 336 <b>Human Dimensions of the Environment</b> (Prerequisite: EVPP 110)		
<b>OR</b>	<i>(Second sequence recommended for students in the Climate Change and Society, Conservation and Sustainability or Sustainable Food and Agriculture concentrations)</i>		
4	EVPP 210 <b>Environmental Biology: Molecules and Cells</b> (Prerequisite: CHEM 211)		
4	EVPP 301 <b>Environmental Science: Biological Diversity and Ecosystems</b> (Prerequisite: Grade of C or better in EVPP 210)		
4	EVPP 302 <b>Environmental Science: Biomes and Human Dimensions</b> (Prerequisite: Grade of C or better in EVPP 301)		

**MAJOR REQUIREMENTS: ONE CONCENTRATION** - \*(must pass with a grade of **C or better**)

**Concentration in Business and Sustainability (18 – 19 credits)** (ECON 105 will substitute for ECON 103)

3	MBUS 300 <b>Managing Financial Resources</b> (Prerequisites: 30 hours)		
3	MBUS 301 <b>Managing People and Organizations</b> (Prerequisites: 30 hours)		
3	MBUS 306 <b>Managing Projects and Operations</b> (Prerequisites: 30 hours)		

**One or two additional courses (3-4 credits) chosen from:**

1	CHSS 310 <b>Introduction to Entrepreneurship</b>		
3	GOVT 353 <b>Social Entrepreneurship</b>		
3	IT 495 <b>Turning Ideas into Successful Companies</b> (Prerequisites: senior standing)		
3	MBUS 304 <b>Entrepreneurship: Starting and Managing a New Enterprise</b> (Prerequisites: 30 hours)		

3	MGM1 451 <b>New Venture Creation</b> (Prerequisite: Grade of C or better in MBUS 301)		
<b>And at least six credits from the following classes:</b>			
3	◆ECON 335 <b>Environmental Economics</b> (Prerequisites: ECON 103 and 104)		
3	◆EVPP 338 <b>Economics of Environmental Policy</b> (Prerequisites: ECON 100 or ECON 103 or ECON 105 or ECON 110, or permission from instructor)		
3	◆EVPP 362 <b>Intermediate Environmental Policy</b> (Prerequisites: EVPP 361 or GOVT 361) <b>OR</b> GOVT 362 <b>Intermediate Environmental Policy</b>		
3	◆GGS 307 <b>Sustainable Development</b> (Prerequisites: 60 hours; GGS 122 and GGS 302, or permission of instructor)		
3	INTS 204 <b>Leadership Theory and Practice</b>		
3	PHIL 243 <b>Global Environmental Ethics</b>		
3	PHIL 305 <b>Business Ethics</b>		

### **Concentration in Climate Change and Society (18 – 19 credits)**

3-4	⌘CLIM 101 (3) <b>Global Warming: Weather, Climate, and Society</b> or ⌘GGS 121 (4) <b>Dynamic Atmosphere and Hydrosphere</b>		
3	EVPP 432 <b>Energy Policy</b> (Prerequisites: 60 credits and EVPP 361/GOVT 361, or Permission of Instructor)		
3	EVPP 436 <b>Human Dimensions of Global Climate Change</b> (Prerequisites: EVPP 336, CLIM 101 and 60 credits, or Permission of Instructor)		

**And at least nine credits from the following classes:**

3	◆EVPP 362 <b>Intermediate Environmental Policy</b> (Prerequisites: EVPP 361 or GOVT 361) <b>OR</b> GOVT 362 <b>Intermediate Environmental Policy</b>		
3	⌘GGS 302 <b>Global Environmental Hazards</b> (Prerequisites: 30 hours)		
3	⌘GGS 304 <b>Population Dimensions of Global Change</b> (Prerequisites: 30 hours)		
3	GGS 309 <b>Meteorology and Climate</b> (Prerequisites: GGS 102, 121, or equivalent; permission of instructor)		
3	⌘GGS 312 <b>Physical Climatology</b> (Prerequisites: 30 hours; and GGS 121, MATH 113, PHYS 243-244, or permission of instructor)		
3	⌘GGS 314 <b>Severe and Extreme Weather</b> (Prerequisites: MATH 113 or equivalent; CLIM/PHYS 111/112 or EOS 121)		
3	PHIL 243 <b>Global Environmental Ethics</b>		
3	PHIL 343 <b>Topics in Environmental Ethics</b>		

### **Concentration in Conservation and Sustainability (19 – 22 credits)**

*\*Students must be accepted for the 16 credit residential semester programs offered at the Smithsonian-Mason School of Conservation, choosing one of the two following programs:*

**Conservation, Biodiversity and Society (16 credits)**

3	CONS 320 <b>Conservation in Practice</b>		
3	CONS 401 <b>Conservation Theory</b>		
4	CONS 402 <b>Applied Conservation</b>		
3	CONS 410 <b>Human Dimensions in Conservation</b>		
3	CONS 490 <b>Integrated Conservation Strategies</b>		

**Wildlife Ecology and Conservation (16 credits)**

3	CONS 320 <b>Conservation in Practice</b>		
3	CONS 403 <b>Ecology and Conservation Theory</b>		
4	CONS 404 <b>Monitoring and Assessment of Biodiversity</b>		
3	CONS 411 <b>Science Communication for Conservation</b>		
3	CONS 491 <b>Comprehensive Conservation Planning</b>		

**And at least three credits from the following classes:**

3	BIOL 472 <b>Introductory Animal Behavior</b> (Prerequisite: BIOL 303 or permission from instructor)		
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3	EVPP 419 <b>Marine Mammal Biology and Conservation</b> (Prerequisite: GEOL 309)		
3	EVPP 421 <b>Marine Conservation</b> (Prerequisite: GEOL 309)		
3	EVPP 430 <b>Fundamentals of Environmental Geographic Information Systems</b> (Prerequisite: EVPP 110, 111 and IT 104 or CDS 103)		
0 – 4	EVPP 440 <b>Field Environmental Science</b> (Prerequisite: BIOL 308 or 310 or permission of instructor)		
4 - 6	INTS 211 <b>Introduction to Conservation Studies</b>		
6	INTS 311 <b>The Mysteries of Migration: Consequences for Conservation</b>		
6	INTS 370 <b>Sustainable Agriculture and Food Systems</b>		
6	INTS 371 <b>Food Systems and Policy</b>		
3	INTS 402 <b>People and Plants: Sustenance, Ceremony and Sustainability</b>		
6	NCLC 403 <b>Conservation Behavior</b>		

### **Concentration in Environmental Policy & Economics (18 credits)**

3	ECON 104 <b>Contemporary Macroeconomic Principles</b>		
3	◆EVPP 338 <b>Economics of Environmental Policy</b> (Prerequisites: ECON 105)		
3	◆EVPP 362 <b>Intermediate Environmental Policy</b> (Prerequisites: EVPP 361 or GOVT 361) <b>OR</b> GOVT 362 <b>Intermediate Environmental Policy</b>		
3	GOVT 351 <b>Administration in the Political System</b> (Prerequisite: GOVT 103)		

*And at least 6 credits from the following:*

3	CONF 340 <b>Global Conflict Analysis and Resolutions</b>		
3	ECON 306 <b>Intermediate Microeconomics</b> (Prerequisite: ECON 105 and MATH 108 or 111)		
3	ECON 311 <b>Intermediate Macroeconomics</b> (Prerequisite: ECON 105)		
3	ECON 330 <b>Public Finance</b> (Prerequisite: ECON 306)		
3	ECON 345 <b>Introduction to Econometrics</b> (Prerequisite: ECON 306, 311 and OM 210 or STAT 250)		
3	ECON 412 <b>Game Theory and Economics of Institutions</b> (Prerequisite: ECON 306)		
3	ECON 360 <b>Economics of Developing Areas</b> (Prerequisite: ECON 105)		
3	EVPP 337 <b>Environmental Policy Making in Developing Countries</b> (Prerequisites: 60 credits)		
1-4	EVPP 396 <b>Directed Topics in Environmental Science and Policy</b>		
3	EVPP 432 <b>Energy Policy</b> (Prerequisites: 60 credits and EVPP 361/GOVT 361, or Permission of Instructor)		
3	GEOL 420 <b>Earth Science &amp; Policy</b> (Prerequisites: see University Catalog)		
3	GGG 305 <b>Economic Geography</b> (Prerequisite: 30 hours)		
3	GGG 307 <b>Sustainable Development</b> (Prerequisites: 60 hours; GGS 122 and GGS 302, or permission of instructor)		
3	GOVT 336 <b>Political Development and Change</b> (Prerequisites: GOVT 132 and 133)		
3	GOVT 339 <b>Issues in the Politics of Advanced Industrial Societies</b>		
3	GOVT 343 <b>International Political Economy</b>		
3	GOVT 357 <b>Urban Governance and Planning</b> (Prerequisite: GOVT 351)		
3	GOVT 364 <b>Public Policy Making</b> (Prerequisite: GOVT 103)		
4	INTS 331 <b>The Non-Profit Sector</b>		
3	INTS 371 <b>Food Systems and Policy</b>		

### **Concentration in Equity & Environmental Justice (18 credits)**

3	◆EVPP 362 <b>Intermediate Environmental Policy</b> (Prerequisites: EVPP 361 or GOVT 361) <b>OR</b> GOVT 362 <b>Intermediate Environmental Policy</b>		
3	EVPP 436 <b>Human Dimensions of Global Climate Change</b> (Prerequisites: EVPP 336, CLIM 101 and 60 credits, or Permission of Instructor)		

3	INTS 336 <b>Poverty, Wealth, and Inequality in the US</b>		
3	INTS 337 <b>Social Justice Consciousness and Personal Transformation</b>		

*And at least 6 credits from the following:*

3	CONF 394 <b>Human Rights and Inequality</b>		
3	GGs 304 <b>Population Dimensions of Global Change</b> (Prerequisites: 30 credits and completion of or concurrent enrollment in all Mason Core requirements)		
3	◆GGs 307 <b>Sustainable Development</b> (Prerequisites: 60 hours; GGS 122 and GGS 302, or permission of instructor)		
4	INTS 304 <b>Social Movements and Community Activism</b>		
4	INTS 331 <b>The Non-Profit Sector</b>		
3	⌘INTS 338 <b>Animal Rights and Humane Education</b>		
3	INTS 362 <b>Social Justice and Human Rights</b>		
6	⌘INTS 402 <b>Plants and People: Sustenance, Ceremony, and Sustainability</b>		
3	◆SOCI 320 <b>Social Structure &amp; Globalization</b>		
3	SOCI 355 <b>Social Inequality</b>		

### **Concentration in Sustainable Food and Agriculture (18 credits)**

6	INTS 370 <b>Sustainable Agriculture and Food Systems</b>		
3	INTS 371 <b>Food Systems and Policy</b>		
1	INTS 470 <b>Professional Pathways in Sustainable Food Systems</b>		

*And at least 8 credits from the following:*

3	ANTH 366 <b>Food and Human Evolution</b>		
3	ANTH 376 <b>Food and Culture</b>		
4	BIOL 345 <b>Plant Ecology</b> (Prerequisite: BIOL 310)		
4	BIOL 344 <b>Plant Diversity and Evolution</b> (Prerequisite: BIOL 310)		
4	EVPP 436 <b>The Human Dimensions of Global Climate Change</b>		
4	INTS 331 <b>The Non-Profit Sector</b>		
3	⌘INTS 338 <b>Animal Rights and Humane Education</b>		
6	⌘INTS 402 <b>Plants and People: Sustenance, Ceremony, and Sustainability</b>		
3	NUTR 295 <b>Introduction to Nutrition</b>		
3	NUTR 408 <b>Introduction to Food Security</b> (Prerequisite: NUTR 295)		

**Electives** - Any remaining credits may be completed with elective courses or a minor to bring the degree total to 120.

**The EVSS degree has been designated a Green Leaf Program and students are eligible for admittance to the Accelerated Master's degree program in Environmental Science and Policy.** (esp.gmu.edu for more information)

◆ Courses meet all 3 areas of sustainability

⌘ Courses meet 1 area of sustainability.

(sustainabilitystudies.gmu.edu/green-leaf/ for more information)