College of Science - Environmental Science, BS with Concentration in Human and Ecosystem Response to Climate Change				
Catalog Year: 2019 - 2020			**Grades**	
Mason Core Requirements: 24-27 credits	**Course Information**	Credits	Earned	Needed
Written Communication:	ENGH 101 (100)	3		
Oral Communication:		3		
*Quantitative Reasoning	*Satisfied by Major Requirements			
*Information Technology	*Satisfied by Major Requirements			
Arts		3		
Global Understanding		3		
Literature		3		
*Natural Science	*Satisfied by Major Requirements			
Social & Behavioral Sciences		3		
Western Civilization/World History		3		
Written Communication:	ENGH 302	3		
*Synthesis/Capstone	*May be satisfied by Concentration Course (GGS 304)	0-3		
Major Requirements (77 credits)				
EVPP 210	Environmental Biology: Molecules and Cells	4		
EVPP 301	Environmental Science: Biological Diversity and Ecosystems	4		
EVPP 302	Environmental Science: Biomes and Human Dimensions	4		
EVPP 305	Environmental Microbiology Essentials	3		
EVPP 306	Environmental Microbiology Essentials Lab	1		
EVPP 337	Environmental Policy Making in Developing Countries	3		
EVPP 361	Introduction to Environmental Policy	3		
EVPP 377	Applied Ecology	3		
EVPP 430	Fundamentals of Environmental Geographic Info Systems	3		
BIOL 214	Biostatistics for Biology Majors	4		
Select one from the following:		3		
EVPP 336	Human Dimensions of the Environment			
EVPP 338	Economics of Environmental Policy			
EVPP 362	Intermediate Environmental Policy			
EVPP 475	Global Biodiversity Governance			
Select one from the following:		1-6		
EVPP 378	RS: Ecological Sustainability			
EVPP 401	integrated Environmental Assessment			
EVPP 480	Sustainability in Action			
CONS 490	RS: Integrated Conservation Strategies			
CHEM 211/213	General Chemistry I with Lab	3/1		
CHEM 212/214	General Chemistry II with Lab	3/1		
Two from the following (7-8 credits):		7-8		
MATH 111 and/or	Linear Mathematical Modeling			
MATH 113 and/or MATH 114	Analytic Geometry and Calculus I and/or II			
GEOL 102	Introductory Geology II (Mason Core)	4		
CDS 130	Computing for Scientists (Mason Core)	3		
One from: EVPP 395, 494; CONS 496, 498		1-6		
Concentration in Human and Ecosystem Response to Climate Change (21 credits)				
EVPP 336	Human Dimensions of the Environment	3		
Concentration Electives (18 credits) EVPP 309, 355, 378, 395, 396, 427, 432, 436, 440, 475, 490, 494,; CLIM 101, 111, 112, 312, 314, 319, 412, 438; GEOL 309; GGS 121, 302, 304, 309, 312, 314, 319, 321, 322, 354, 456. Alternative courses may be taken as approved by the program coordinator.				
Concentration Course #1:				
Concentration Course #2:				
Concentration Course #3:				
Concentration Course #4:				
Concentration Course #5:				
Concentration Course #6:				
Degree Notes				
Approx. 16 - 19 remaining elective to bring the degree total to 120 with 45 of these credits at the 300/400 level.				

B.S. Environmental Science 2019 - 2020

FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
EVPP 210	4	EVPP 301	4	*CDS 130 can be
CHEM 211	3	CHEM 212	3	taken in a later
CHEM 212	1	CHEM 214	1	semester; if this
CDS 130	3	BIOL 214	4	is done, substitute
Mason Core	3	Mason Core	3	another Mason
UNIV 100	1			Core course in
Total:	15 credits	Total:	15 credits	the first semester.

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
EVPP 302	4	Conc. Req	3-4	*Note that two
EVPP 305	3	MATH 113 OR	4	Math courses
EVPP 306	1	MATH 114	4	Required; MATH
MATH 111 OR	3	GEOL 102	4	111 is not a pre-
MATH 113	4	Mason Core	3	Requisite for
Mason Core	3			MATH 113.
Total:	14 or 15 credits	Total:	14-15 credits	

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
EVPP 361	3	Conc. Req.	4	*Conc. Req. =
EVPP 336 OR 338		Synthesis	3 or 4	Concentration
OR 362 or 475	3	ENGH 302	3	Requirement.
EVPP 430	3	General Elective	3	*Synthesis =
EVPP 377	3	Mason Core	3	EVPP 378, EVPP
Mason Core	3			480 or CONS 490.
Total:	15 credits	Total:	16 or 17 credits	

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
Conc. Req.	4	Conc. Req.	4	*Summer Intern-
Conc. Req.	3	Conc. Req.	3	ship (1-3 credits)
General Elective	3	*Experiential Req.		between Year 3
EVPP 337	3	General Elective	3	and Year 4.
Mason Core	3	General Elective	3	*13 credits may
Total:	16 credits	Total:	16 credits	be sufficient last
*Students must earn	120 credits; 45 credits	must be upper-level	(courses 300+).	semester.