

College of Science - Geology, BA				
Catalog Year: 2019 - 2020			Grades	
Mason Core Requirements: 30 credits	Course Information	Credits	Earned	Needed
Written Communication:	ENGH 101 (100)	3		
Oral Communication:		3		
*Quantitative Reasoning	*Satisfied by Major Requirements			
Information Technology		3		
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		3		
College Level Requirements for the BA Degree (Max of 21 credits)				
Philosophy or Religious Studies		3		
(PHIL 323, 324 cannot be used to fulfill this requirement)				
Additional Social & Behavioral Sciences		3		
(The two courses used to fulfill the combined college and university requirements must be from different disciplines. This requirement may be fulfilled by completing any course in ANTH, CRIM, ECON, GOVT, HIST (except 100 or 125), LING, PSYC, or SOCI & these courses in GGS: 101, 103, 110, 301, 303, 304, 305, 306, 315, 316, 320, 325, 330, 357, 380)				
Foreign Language		0-12		
(Intermediate level in a single language by completing a course in a foreign language numbered 202 (or higher); or achieving a satisfactory score on an approved proficiency test; or by completing the following ASL three course sequence EDSE 115, 116, and EDSE 219; or students who are already proficient in a second language may be eligible for a waiver of this requirement)				
Non-Western Culture		3		
(Approved courses for this requirement may be found under Degree Requirements for the major listed within the University Catalog. The course used for this requirement may not simultaneously fulfill Mason Core Global Understanding)				
Major Requirements (61 - 62) major requirements				
Students must complete all GEOL courses with a minimum GPA of 2.50.				
GEOL 101	Introductory Geology I (Mason Core)	4		
GEOL 102	Introductory Geology II (Mason Core)	4		
GEOL 302	Mineralogy	4		
GEOL 304	Sedimentary Geology	4		
GEOL 308	Igneous and Metamorphic Petrology	4		
GEOL 312	Invertebrate Paleontology	4		
GEOL 317	Geomorphology 2	4		
GEOL 401	Structural Geology	4		
GEOL 404	Geological Field Techniques	6		
GGS 311	Introduction to Geographic Information Systems	3		
CHEM 211/213	General Chemistry I with Lab	3/1		
One from the following Mason Core Natural Science sequences:				
PHYS 160/161 and 260/261	University Physics I & II with labs	8		
PHYS 243/244 & PHYS 245/246	College Physics I & II with labs			
One from the following: MATH 110, 111, 113		3-4		
Program Courses (9 credits) of degree-related coursework designed with advisor and approved by department chair				
Program Course #1:				
Program Course #2:				
Program Course #3:				
Degree Notes				
Approx. 7-8 credits may be completed with elective courses to bring degree to 120 with 45 credits at 300/400 level.				
Advisor Notes:				

FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
GEOL 101	4	GEOL 102	4	*S.B.S = Social and
MATH 113	4	CHEM 211	3	Behavioral Science
COMM 100 or 101	3	CHEM 213	1	*W.C. = Western
Core (S.B.S)	3	ENGH 101	3	Civilization
UNIV 100	1	Core (W.C.)	3	
Total:	15 credits	Total:	14 credits	

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
GEOL 302	4	GEOL 308	4	*Some Literature
Foreign Language 100-level	6	ENGH 302	3	courses have a required prerequisite
GEOL 309	4	Foreign Language 200-level	3	of 45 completed credits.
Core (Lit.)	3	General Elective	3	
Total:	17 credits	Total:	13 credits	

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
GEOL 317	4	GEOL 313	3	*G.U. = Global
GEOL 304	4	S.B.S. Req. II	3	Understanding
PHYS 243	3	PHIL/RELI Req.	3	
PHYS 244	1	Core (IT)	3	
General Elective	3	Core (G.U.)	3	
Total:	15 credits	Total:	15 credits	

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
GEOL 420	3	GEOL 401	4	*N.W.C. = Non-Western
GEOL 312	4	GGG 311	3	Culture
N.W.C. Req.	3	GEOL 404	6	*GEOL 404 generally
GEOL 303	3	Core (Arts)	3	taken during summer
		General Elective	2	at office-campus site.
Total:	13 credits	Total:	12 to 18 credits	Take at least 12 credits in spring.

*Students must earn 120 credits for graduation; 45 credits must be upper-level (courses 300+).

***GEOL 309, GEOL 313, and GEOL 303** are recommendations for the required 9 additional credits of degree-related coursework, but they can be substituted for other degree-related courses. Some courses that are recommended but not required are **GEOL 363 and STAT 250**. The student may wish to take these courses where there is space for general electives.