College of Science - Earth Science, BS with Concentration in Paleontology				
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		
Major Requirements (76 - 80 credits)				
Students must complete all coursework with a minimum GPA of 2.00.				
GEOL 101	Introductory Geology I	4		
GEOL 309 or BIOL 309	Introduction to Oceanography	3		
GEOL 420	Earth Science and Policy	3		
CHEM 211	General Chemistry I	3		
& CHEM 213	and General Chemistry Laboratory I	1		
CHEM 212	General Chemistry II	3		
& CHEM 214	and General Chemistry Laboratory II	1		
MATH 113	Analytic Geometry and Calculus I	4		
MATH 114	Analytic Geometry and Calculus II	4		
STAT 250	Introductory Statistics I	3		
Select one of the following options (3-4 credits):				
Option A or B: CLIM 111/112	Intro to the Fundamentals of Atmos Sci with Lab			
Option B: PHYS 111/112	Intro to the Fundamentals of Atmos Sci with Lab			
Option C: GGS 309	Meteorology and Climate			
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			
Concentration in Paleontology (36-39 credits)				
GEOL 102	Introductory Geology II	4		
GEOL 302	Mineralogy	4		
GEOL 304	Sedimentary Geology	4		
GEOL 312	Invertebrate Paleontology	4		
GEOL 334	Vertebrate Paleontology 1	4		
BIOL 103	Introductory Biology I	4		
or BIOL 213	Cell Structure and Function			
Concentration Electives (9-10 credits) from: GEOL 306, 317, 332, 364, 403, 412, 458, 565		9-10		
Concentration Elective #1:				
Concentration Elective #2:				
Concentration Elective #3:				
Additional Course (3-5 credits): BIOL 310 & 330, 320, 331,468, 470, 471, BIOL 374 & GGS 321		3-5		
Degree Notes				
10-14 remaining credits may be completed with elective courses to bring the degree total to 120 with 45 of these credits at the 300/400 level.				
Advisor Notes:				