

2023 Catalog-B.S. Geosciences Degree Plan (120 Hours)

STUDENT NAME:				
STUDENT ID:				
AUDITS: 45 _____ 75 _____		PRE-HEALTH: NO YES		
Course Title	Subject Prefix/ Course #	HR	Semester Taken	Grade
CORE CURRICULUM				
Communication (010)				
		3		
		3		
Mathematics (020)				
Differential Calculus or Calculus I	MATH 2413 or 2417*	4		
Life and Physical Sciences (030)				
General Chemistry I	CHEM 1311	3		
General Chemistry II	CHEM 1312	3		
Language, Philosophy and Culture (040)				
		3		
Creative Arts (050)				
		3		
American History (060)				
		3		
		3		
Government/Political Science (070)				
American National Government	GOVT 2305	3		
State and Local Government	GOVT 2306	3		
Social and Behavioral Science (080)				
		3		
Component Area Option (090)				
Physical Geology	GEOS 1303	3		
Intro to Earth History	GEOS 1304	3		
Major Preparatory Courses				
General Chemistry I	CHEM 1311	3		
Chem Lab I	CHEM 1111	1		
General Chemistry II	CHEM 1312	3		
Chem Lab II	CHEM 1112	1		
Physical Geology	GEOS 1303	3		
Physical Geology Lab	GEOS 1103	1		
Intro to Earth History	GEOS 1304	3		
Earth History Lab	GEOS 1104	1		
Rocks and Minerals	GEOS 2409	4		
Differential Calculus or Calculus I	MATH 2413 or 2417	4		
Integral Calculus or Calculus II	MATH 2414 or 2419	4		
Mechanics	PHYS 2325	3		
Physics Lab I	PHYS 2125	1		
Electromagnetism and Waves	PHYS 2326	3		
Physics Lab II	PHYS 2126	1		

UPDATED BY:				
DATE:				
MINOR:			DOUBLE MAJOR/DEGREE:	
Course Title	Subject Prefix/ Course #	HR	Semester Taken	Grade
Major Core Courses				
Essentials of Field Geologic Methods	GEOS 2306	3		
Field Geology I (Summer Field Camp I)	GEOS 3300	3		
Statigraphy & Sedimentology	GEOS 3421	4		
Igneous & Metamorphic Petrology	GEOS 3464	4		
Structural Geology	GEOS 3470	4		
Field Geology II (Summer Field Camp II)	GEOS 4300	3		
Physics & Chemistry of the Solid Earth	GEOS 4320	3		
Communication in Geosciences	GEOS 4390	3		
Geology Option				
Paleobiology	GEOS 3434	4		
The Earth System	GEOS 4322	3		
Hydrogeology & Aqueous Geochem.	GEOS 4430	4		
Select one mathematics course:				
Calculus of Several Variables	MATH 2415	4		
Linear Algebra	MATH 2418	4		
Advanced Calculus	MATH 3351	3		
Numerical Methods in Physics	PHYS 3330	3		
Geophysics Option				
Linear Algebra	MATH 2418	4		
Differential Equations	MATH 2420	4		
Advanced Calculus	MATH 3351	3		
Partial Differential Equations	MATH 4362	3		
Theoretical Physics	PHYS 3411	4		
Classical Mechanics	PHYS 3312	3		
Electricity and Magnetism	PHYS 3416	4		
Electives-45 Upper Level Hours Needed to Graduate (75 UL for double degree)				
Freshman Seminar	UNIV 1010	0		
NS&M Freshman Seminar	NATS 1101	1		
Core Seminar	UNIV 2020	0		
Free Elective (Geology Option)		3		
Free Elective (Geology Option)		1-5		
UL Elective (3xxx or 4xxx) (Geology Option)		3		
UL Elective (3xxx or 4xxx) (Geology Option)		3		
UL Elective (3xxx or 4xxx) (Geology Option)		1-4		
UL Elective (3xxx or 4xxx) (Geophysics Option)		3		
UL Elective (3xxx or 4xxx) (Geophysics Option)		1		