

GEOLOGICAL SCIENCES - MAJOR (SCIENCE) -**BACHELOR OF SCIENCE (HONOURS)**

GEOL-M-BSH

Subject: Administered by the Department of Geological

Sciences and Geological Engineering.

Plan: Consists of 72.00 units as described below.

Program: The Plan, alone, or in combination with a Minor in another subject, and with sufficient electives to total 120.00 units, will lead to a Bachelor of Science (Honours) Degree.

,	` , 6		
Code	Title	Units	
1. Core			
A. Complete the following:			
GEOL 104	The Dynamic Earth	3.00	
GEOL 107	History of Life	3.00	
B. Complete the following:			
GEOL 200	Oceanography	3.00	
GEOL 221	Geological Field Methods	3.00	
GEOL 232	Mineralogy	3.00	
GEOL 235	Igneous and Metamorphic Petrology	3.00	
GEOL 238	Sedimentology and Stratigraphy	3.00	
GEOL 249	Geophysical Characterization of the Ear	th3.00	
C. Complete 3.00 units from the following:		3.00	
BIOL 243	Introduction to Statistics		
STAM 200	Introduction to Statistics		
STAT 263	Introduction to Statistics		
D. Complete	10.50 units from the following:	10.50	
GEOL 300	Geological Field School		
GEOL 301	Field Studies in Geology I		
or GEOL 3(Problems in Sedimentary Geology			
GEOL 321	Structural Geology		
GEOL 365	Geochemical Characterization of Earth Processes		
E. Complete the following:			
GEOL 400	Advanced Geological Sciences Field Sch	ooB.00	

CHEM 112

MATH 120

	E. Complete ti	Complete the following:		
	GEOL 400	Advanced Geological Sciences Field Scho	оВ.00	
	GEOL 401	Field Studies in Geology II	1.50	
	or GEOL 402	Problems in North American Geology		
	GEOL 488	Geology of North America	3.00	
2. Option				
A. Complete 9.00 units from the following: 9.				
GEOL at any level				
B. Complete 6.00 units from the following:			6.00	

Differential and Integral Calculus

	MATH 121	Differential and Integral Calculus
	MATH 123 & MATH 124	Differential and Integral Calculus I and Differential and Integral Calculus II
	PHYS 104	Fundamental Physics
	PHYS 106	General Physics
	PHYS 115 & PHYS 116	Introduction to Physics I and Introduction to Physics II
	PHYS 118	Basic Physics

3. Supporting

A	. Complete 1	2.00 units from the following:	12.00
	CHEM 112	General Chemistry	
	MATH 120	Differential and Integral Calculus	
	MATH 121	Differential and Integral Calculus	
	MATH 123 & MATH 124	Differential and Integral Calculus I and Differential and Integral Calculus II	
	PHYS 104	Fundamental Physics	
	PHYS 106	General Physics	
	PHYS 115 & PHYS 116	Introduction to Physics I and Introduction to Physics II	
	PHYS 118	Basic Physics	
Flectives			

Elective Courses	48.00

Total Units 120.00

4. Notes

A. 100- through 300-level geology courses within the core are prerequisites for most 300- and 400-level courses, and should normally be completed before the end of the third year of study

B. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, HSCI, LAW, NURS, and courses in the Faculty of Engineering and Applied Science.

General Chemistry