

PROGRAM COURSE CHECKLIST

GEOSCIENCES MAJOR – EARTH SCIENCE OPTION -- BACHELOR OF SCIENCE DEGREE

		Credits	Semester Taken
Core Block – All courses required (21 credits total).			
51.120	Physical Geology*	3	
51.121	Physical Geology Lab	1	
51.130	Historical Geology*	3	
51.131	Historical Geology Lab	1	
54.110	Introduction to Astronomy*	3	
51.255	Meteorology	3	
51.259	Oceanography	3	
51.260	Earth Materials	4	
Electives – A minimum of four courses (12 - 16 credits total) must be selected from the following:			
51.261	Mineralogy	4	
51.262	Petrology	4	
51.265	Geomorphology	4	
51.320	Remote Sensing of the Earth	3	
51.360	Introduction to Paleontology	4	
51.368	Stratigraphy and Sedimentation	4	
51.369	Structural Geology	4	
51.370	Surface Hydrology	3	
51.460	Aqueous Geochemistry	4	
51.470	Groundwater Hydrology	3	
51.475	Independent Study I	1-3	
51.480	Applied Geophysics \times	4	
51.493	Senior Research in Geosciences	3	
51.496	Internship	1-15	
Cognate Areas (25 . 27 credits total) Mathematics – two courses are required.			
53.112	Trigonometry	3	
53.113	Pre-Calculus	4	
53.123	Essentials of Calculus*	3	
53.125	Calculus 1*	4	
53.126	Calculus 2	4	
53.141	Introduction to Statistics*	3	
Chemistry – both courses are required.			
52.115	Chemistry for the Sciences 1*	4	
52.116	Chemistry for the Sciences 2	4	
Physics – both courses in a series (two courses total)			
54.111	Introductory Physics I	4	
54.112	Introductory Physics II \times	4	
or			
54.211	General Physics I	4	
54.212	General Physics II \times	4	

*These courses may be used to fulfill General Education requirements.

\times 51.480 may be substituted for the Physics II requirement, in which case 51.480 cannot be used as an elective.

GENERAL EDUCATION PROGRAM CHECKLIST

GEOSCIENCES MAJOR – EARTH SCIENCE OPTION -- BACHELOR OF SCIENCE DEGREE

In addition to meeting major requirements and earning 120 credits, each student must successfully complete courses in the following sections to the University's General Education Program in order to graduate.

		Credits	Semester Taken
Specific Course Requirements			
Communication (9 credits)			
20.101	Composition 1	3	
Quantitative-Analytical Reasoning (3 credits)			
53.xxx	(Math course 53.123, 53.125, or 53.141)	3	
Values, Ethics, and Responsible Decision Making (3 credits)			
		3	
Fitness & Recreational Skills (2 credits)			
		1	
		1	
Distribution Course Requirements			
Group A – Humanities and the Arts (12 credits from three departments)			
		3	
		3	
		3	
		3	
Group B – Social and Behavioral Sciences (12 credits from three departments)			
		3	
		3	
		3	
		3	
Group C – Natural Sciences and Mathematics (12 credits from three departments)			
51.120	Physical Geology	3	
51.130	Historical Geology	3	
54.110	Introduction to Astronomy	3	
52.115	Chemistry for the Sciences 1	4	
Cultural Diversity Requirement (6 credits)			
		3	
		3	