

PROGRAM COURSE CHECKLIST
B. S. GEOSCIENCES - ENVIRONMENTAL SCIENCE

		Credits	Semester Taken
Core Block – All courses required (16 credits).			
51.100	Environmental Geology*	3	
51.120	Physical Geology*	3	
51.121	Physical Geology Lab	1	
51.255	Meteorology	3	
51.259	Oceanography	3	
51.260	Earth Materials	4	
41.105	Environmental Issues & Choices*	3	
Choose at least 3 courses (9-12 credits) from the following:			
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	
51.480	Applied Geophysics	4	
51.496	Internship in Earth Science	3	
55.xxx	Approved Marine Science Courses (maximum of <u>two</u> courses may be applied to this degree)		
Choose <u>two</u> courses from the following (6-7 credits):			
41.242	Map Use and Analysis	3	
41.258	Environmental Conservation	3	
41.301	Water Resources Management	3	
41.302	Land Resources Management	3	
41.303	Soil Resources Management	4	
41.304	Environmental Valuation	3	
41.360	Principles of GIS I	3	
41.361	Principles of GIS II	3	
Mathematics – two courses are required.			
Choose a maximum of <u>one</u> course from the following:			
53.109	College Algebra	3	
53.112	Trigonometry	3	
Choose a minimum of <u>one</u> course from the following:			
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 – choose <u>two</u> courses from the following:			
52.115	Chemistry for the Sciences 1*	4	
52.116	Chemistry for the Sciences 2*	4	
52.230	Fundamentals of Organic Chemistry	4	
Physics			
54.111	Introductory Physics I	4	
Biology			
50.114	Concepts in Biology I	4	
50.115	Concepts in Biology II	4	
Choose <u>one</u> course from the following:			
50.212	Vertebrate Zoology	3	
50.252	Field Zoology	3	
50.253	Freshwater Biology	3	
50.351	General Ecology	3	
55.250	Wetlands Ecology	3	
55.260	Marine Ecology	3	

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

PROGRAM COURSE CHECKLIST

B. S. GEOSCIENCES . ENVIRONMENTAL SCIENCE

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 or 53.141)	3	
Values, Ethics, and Responsible Decision Making (3 credits)			
41.105	Environmental Issues & Choices	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)			
41.xxx	(Geography course)	3	
41.xxx	(Geography course)	3	
		3	
		3	
Group C – Natural Sciences and Mathematics (12 credits from three departments)			
50.114	Concepts in Biology I	4	
51.120	Physical Geology	3	
52.115	Chemistry for the Sciences 1	4	
54.111	Introductory Physics I	4	
Cultural Diversity Requirement (6 credits)			
		3	
		3	