SULTAN QABOOS UNIVERSITY
COLLEGE OF SCIENCE
DEPARTMENT OF EARTH SCIENCES

DEGREE PLAN

College: **SCIENCE** Cohorts: **2006–2010**

Degree: **BACHELOR OF SCIENCE**

Major: **EARTH SCIENCES**

Credits Required:	**135**
University Requirements	**18**
College Requirements	**26**
Department Requirements	**62**
Electives	**29**

DEPARTMENT OF EARTH SCIENCES, COLLEGE OF SCIENCE, SQU
2006–2010 COHORTS

Degree Plan : 135 credits			
Course code	Cr	Course Title	Pre-requisites
University Requirements (18 Credits)			
ARAB 1001	3	Arabic	
HIST 1010	2	Oman and Islamic Civilization	
LANC 2050	3	Further English for Science I	
LANC 2051	3	Further English for Science II	LANC 2050
SOCI 3320	1	Modern Oman Society	
	6	University electives	
College Requirements (26 Credits)			
CHEM 2101	4	General Chemistry I	
COMP 1200	2	Personal computers and software packages	
ERSC 2101	4	Introduction to Geology I	
MATH 1106	4	Pre-calculus	
MATH 2107	4	Calculus I	MATH 1106
PHYS 2101	4	General Physics I	
One of the following courses			
BIOL 2101	4	General Biology I	
COMP2101	4	Introduction to Computer Science	
STAT 1001	4	Introduction to Statistics	
Departmental Requirements (62 Credits)			
CHEM 2102	4	General Chemistry II	CHEM 2101
ERSC 2011	3	Paleontology	ERSC 2101
ERSC 2102	4	Introduction to Geology II	ERSC 2101
ERSC 3000	3	Environmental Geology	ERSC 2101, CHEM 2101
ERSC 3010	3	Mineralogy	ERSC 2102
ERSC 3021	3	Structural Geology	ERSC 2102
ERSC 3031	3	Geology of Oman	ERSC 3041
ERSC 3041	3	Stratigraphy	ERSC 2102
ERSC 3051	3	Igneous Petrology	ERSC 3010
ERSC 3061	3	Remote Sensing	ERSC 2102
ERSC 3901	3	Sedimentary Petrology	ERSC2102
ERSC 4000	3	Field Mapping Project	ERSC 4001
ERSC 4001	3	Field Mapping Techniques	ERSC 3021
ERSC 4012	3	Metamorphic Petrology	ERSC 3051
ERSC 4031	3	Geochemistry	ERSC 2101, CHEM 2101
ERSC 4051	3	Hydrogeology	ERSC 3000
ERSC 4071	3	Economic Geology	ERSC 3051
ERSC 4311	3	Sedimentary Environments and Facies	ERSC 3901
ERSC 5051	3	Petroleum Geology	ERSC 3041, ERSC 4311
GEOP 3041	3	General Geophysics	PHYS 2101, MATH 2107, ERSC 2101
College Electives (29 Credits)- Electives offered by the Earth Science Department			
ERSC 4020	3	Micro-Palaeontology	ERSC 2011, ERSC 3041
ERSC 4032	3	Environmental geochemistry	ERSC 2101, CHEM 2101
ERSC 4061	3	Computer Packages in the Earth Sciences	ERSC 2102
ERSC 4321	3	Advance Structural Geology	ERSC 3021
ERSC 5011	3	Basin Analysis	ERSC 3021, GEOP3041, ERSC 4311
ERSC 5021	3	Advanced Petrology	ERSC 3051, ERSC 4012
ERSC 5031	3	Tectonics	ERSC 3021
ERSC 5042	3	Engineering geology	ERSC 3021
ERSC 5071	3	Image Processing and GIS	ERSC 3061
ERSC 5081	3	Earth Systems	ERSC 3051, ERSC 4031
ERSC 5091	3	Industrial Minerals & Rocks	ERSC 4071
ERSC 5900	3	Advanced Diagenesis	ERSC 4311
ERSC 5001	3	Geology Project 1	ERSC 4000
ERSC 5002	3	Geology Project 2	ERSC 5001

Work Plan2006-2010

Semester 1	Credits	Semester 2	16 Credits
Intensive English		ARAB 1001	3
		COMP 1200	2
		ERSC 2101	4
		LANC 2050	3
		MATH 1106	4
Semester 3	**15 Credits**	**Semester 4**	**15 Credits**
CHEM 2101	4	CHEM 2102	4
LANC 2051	3	ERSC 2011	3
MATH 2107	4	ERSC 2102	4
PHYS 2101	4	HIST 1010	2
		Elective	2
Semester 5	**16 Credits**	**Semester 6**	**15 Credits**
ERSC 3000	3	ERSC 3031	3
ERSC 3021	3	ERSC 3051	3
ERSC 3041	3	ERSC 3061	3
ERSC 3010	3	ERSC 3901	3
Electives	4	SOCI 3320	1
		Electives	2
Semester 7	**14 Credits**	**Semester 8**	**15 Credits**
ERSC 4000	3	ERSC 4031	3
ERSC 4001	3	ERSC 4051	3
ERSC 4012	3	ERSC 4071	3
ERSC 4311	3	GEOP 3041	3
Elective	2	Elective	3
Semester 9	**15 Credits**	**Semester 10**	**14 Credits**
		ERSC 5051	3
Electives	15	Electives	11
		Courses from other Colleges may be taken with permission from the HoD	