Degree and Study Plan

College: SCIENCE
Department: EARTH SCIENCES
Cohorts: 2010 - 2015
Degree: BSc
Major: EARTH SCIENCES
Specialization:

Summary of Credits:	
University Requirements (UR)	**6**
Arabic	3
Contemporary Omani Society	1
Oman & Islamic Civilization or Islamic Culture	2
University Electives (UE)	**6**
See List A	
College Requirements (CR)	**19**
See list B	
College Electives (CE)	**33**
Departmental Requirements (DR)	**58**
See list C	
Departmental Electives	
See list D	
Major Requirements (AR)	
See list E	
Major Electives (AE)	
See list F	
Minor Requirements (IR)	
See list G	
Minor Electives (IE)	
See list H	
Specialization Requirements (SR)	
See list I	
Specialization Electives (SE)	
See list J	
TOTAL	**122**

For reference contact: Dr. Salah Al-Khirbash Ext. 1404
HoD Date
Dean's Office Date
Admission and Registration Date

Department of Earth Science - Earth Sciences Study Plan: for Cohort 2010-2015

	CR
University Requirements (UR)	6
University Electives (UE)	6
College Requirements (CR) 4 Courses of 2101 (16 CR) + Communication in Science 3 CR)	19
College Electives (CE)	33
Departmental Requirements (DR)	58
TOTAL	**122**

	Course Code	Course Title	Cr.	Pre-req./Co-req.*	Cat.
Semester1 Fall	ARAB 1001	Arabic	3		UR
	HIST 1010	Oman & Islamic Civilization	2		UR
	ERSC 2101	Introduction to Earth Sc (I)	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604	CR
	SOCI 3320	Contemporary Omani Society	1		UR
	LANC2058	Communication in Science	3	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604	CR
		University Elective	2		UE
	Total		**15**		

Semester 2 Spring	CHEM 2101	General Chemistry I	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604 & FPMT 0105/ FPMT0109	CR
	PHYS 2101	General Physics I	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604 & FPMT 0105/ FPMT0109	CR
	ERSC 2102	Introduction to Geology (II)	4	ERSC 2101	DR
		C. Elective	3		CE
	Total		**15**		

Semester 3 Fall	ERSC 3031	Geology of Oman	3	ERSC 3041	DR
	ERSC 3051	Igneous Petrology	3	ERSC 3010	DR
	ERSC 3901	Sedimentary Petrology	3	ERSC2102	DR
	ERSC 4031	Geochemistry	3	ERSC 2101+ CHEM 2101	DR
		C. Elective	3		CE
	Total		**15**		

Semester4 Fall	ERSC 2011	Paleontology	3	ERSC 2101	DR
	ERSC 3000	Environmental Geology	3	ERSC 2101+ CHEM 2101	DR
		C. Req (STAT1001 OR BIO2101 OR MATH2107+ COMP2101)	4	MATH1106 FOR MATH2107	CR
		C. Elective	6		CE
	Total		**16**		

Semester 5 Spring	GEOP 3041	General Geophysics	3	ERSC2101+PHYS 2101	DR
	ERSC 4311	Sedimentary Environments & Facies	3	ERSC 3901	DR
	ERSC 4012	Metamorphic Petrology	3	ERSC 3051	DR
	ERSC 4071	Economic Geology	3	ERSC 3051	DR
		C. Elective	**3**		CE
	Total		**15**		

Semester 6 Spring	ERSC 3010	Mineralogy	3	ERSC 2102	DR
	ERSC 3021	Structural Geology	3	ERSC 2102	DR
	ERSC 3041	Stratigraphy	3	ERSC 2102	DR
	ERSC 3061	Remote Sensing	3	ERSC 2102	DR
		C. Elective	3		CE
	Total		**15**		

Semester 7 Fall	ERSC 4000	Field Mapping Project	**3**	ERSC 4001	DR
	ERSC 4001	Field Mapping Techniques	**3**	ERSC3021+ERSC3051+ ERSC3901	DR
	ERSC 4051	Hydrogeology	3	ERSC 3000	DR
	ERSC 5051	Petroleum Geology	3	ERSC3041+ERSC4311	DR
		C. Elective	3		CE
	Total		**15**		

Semester 8 Spring		C. elective	**12**		CE
		U. Elective	4		UE
	Total		**16**		

DEPARTMENT OF EARTH SCIENCES+ COLLEGE OF SCIENCE
2010- 2015 COHORTS

Degree Plan : 122 credits			
Course code	***Cr***	***Course Title***	***Prerequisites (Co-requisites)***
University Requirements: 12 Credits			
ARAB 1001	*3*	*Arabic*	
HIST 1010	*2*	*Oman and Islamic Civilization*	
SOCI 3320	*1*	*Modern Oman Society*	
	6	*University electives*	

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LIST A: University Electives (6 credits)

Code	Title	Credits	College
ANVS2000	Omani Wildlife Wonders (Arabic)	2	AGR
CAMS2002	Health+ Safety & Environment	2	AGR
MASF2000	Sea World(Arabic)	2	AGR
SWAE2003	Water in Arid Environments	2	AGR
ARAB1040	Literature and Society	2	ART
ARCH1170	Development of Civilization in Oman.	2	ART
ARCH1535	Oman Towns and their Cultural Remains	2	ART
ARCH1551	Administering Archaeological Heritage in Oman	2	ART
GEOG2031	Urbanization in the Arabian Gulf	2	ART
HIST1040	Some Aspects of the History of Oman	2	ART
INFO4100	Children's Literature	2	ART
INFO4180	Research and Library	2	ART
MASS1011	Electronic Publishing	2	ART
MASS1020	Arts of Media Editing (U.E)	2	ART
MASS1080	Principles of Public Relations (U.E)	2	ART
MASS3013	Mass Media and Society	3	ART
MUSC4509	Music Appreciation	2	ART
PERS1010	Introduction to Persian	2	ART
PHIL1200	Research Methods in Speech Science	2	ART
PHIL2060	Ethics	2	ART
SOCI2014	Developing Societies	2	ART
SOCI2151	Medical Sociology	2	ART
THAR1011	Theatrical Appreciation	2	ART
THAR1012	Play Writing	2	ART
THAR1013	Oratory and Presentation	2	ART
THAR1016	Child's Theatre	2	ART
THAR1017	Theatre Scenography	2	ART
THAR1018	Theatre and Drama: The Major Intellectual+ Literary+ and Artistic Movements	2	ART
TOUR1050	Tourism in Oman	2	ART
BCOM1950	Varieties of Public and Professional Communication	3	COM

ECON1050	Introduction to Economics	2	COM
ARED1001	Contemporary Visual Arts	2	EDU
ARED1002	Appreciation of Islamic Arts and Arabic	2	EDU
CUTM1002	Environmental Education	2	EDU
CUTM1003	Principles of Teaching	2	EDU
ISLM1020	Human Rights in Islam	2	EDU
ISLM1140	Quran Recitation	2	EDU
ISLM2010	Prophets Biography	2	EDU
ISLM2030	The Miracle Of the Holy Quran	2	EDU
ISLM2040	Islamic Economy	2	EDU
ISLM2060	Family Systems in Islam	2	EDU
ISLM2070	Stories	2	EDU
ISLM2090	Islamic Ethics	2	EDU
PHED1000	Physical Fitness	2	EDU
PHED1000	Physical Fitness in Theory and Practice	2	EDU
PHED1260	Health Education and Physique	2	EDU
PSYC1001	Study of Human Behaviour	2	EDU
PSYC1005	Mental Health	2	EDU
TECH1000	Study Skills	2	EDU
CIVL2000	Remote Sensing and Geographic Information Systems	3	ENG
DRUG1001	Nutrients+ Medicines and Narcotics: Actions+ Interactions and Harmful Effects	2	MED
EPIS2140	Data Analysis using SPSS	2	MED
MEDI1000	History of medicine	2	MED
MEDI1001	Fundamental of Thinking and Creativity	2	MED
NURS1006	Human Relations in Health & Illness	2	NUR
CHEM1100	Everyday Chemistry	2	SCI
CHEM1200	Chemistry for a Better Life	2	SCI
COMP1210	Introduction to Web Site Development	2	SCI
ERSC1007	The Geological Wonders of Oman	2	SCI
PHYS2802	Exploring the Universe (Arabic)	2	SCI
PHYS2803	Nuclear Energy and Radiation (Arabic)	2	SCI
PHYS2901	Introductory Astronomy	3	SCI
PHYS3901	Mysteries of the Universe	3	SCI
	TOTAL	6	

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LIST B: COLLEGE REQUIRMENTS (19 credits)

Code	Title	Credits	Pre-Requisite / Co-req. *
LANC 2058	Communication in Science	3	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604
ERSC2101	Introduction to Geology 1	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604
CHEM2101	General Chemistry 1	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604 & FPMT 0105/ FPMT0109
PHYS2101	General Physics 1	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604 & FPMT 0105/ FPMT0109
	One course from the following:		
BIOL 2101	General Biology I	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604
MATH2107	Calculus 1	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604 & FPMT 0105/ FPMT0109
COMP2101	Introduction to Computer Science	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604 & FPCS0101/FPCS0102
STA1001	Introduction to Statistics	4	FPEL 0560/ FPEL0600 / FPEL0603 / FPEL0604
Total		**19**	

Department of Earth Sciences – Earth Sciences Degree Plan: for cohort 2010-2015

LIST C: College Electives (**33 credits**)

College electives for the earth Science majors are: any course from the College of Science that is not a Departmental Requirement (core course)+ and to which they have the pre-requisite/co-requisite.

At least 6 credits must be taken from other departments in the College of Science.

Courses from other colleges need written approval of the HOD.

LIST D Departmental Requirements: (58 credits)

Code	Title	Credits	Pre-Requisite / Co-req. *
ERSC 2011	Paleontology	3	ERSC 2101
ERSC 2102	Introduction to Geology II	4	ERSC 2101
ERSC 3000	Environmental Geology	3	ERSC 2101+ CHEM 2101
ERSC 3010	Mineralogy	3	ERSC 2102
ERSC 3021	Structural Geology	3	ERSC 2102
ERSC 3031	Geology of Oman	3	ERSC 3041
ERSC 3041	Stratigraphy	3	ERSC 2102
ERSC 3051	Igneous Petrology	3	ERSC 3010
ERSC 3061	Remote Sensing	3	ERSC 2102
GEOP 3041	General Geophysics	3	ERSC2101+PHYS 2101
ERSC 3901	Sedimentary Petrology	3	ERSC2102
ERSC 4000	Field Mapping Project	3	ERSC 4001
ERSC 4001	Field Mapping Techniques	3	ERSC3021+ERSC3051+E
ERSC 4012	Metamorphic Petrology	3	ERSC 3051
ERSC 4031	Geochemistry	3	ERSC 2101+CHEM 2101
ERSC 4051	Hydrogeology	3	ERSC 3000
ERSC 4071	Economic Geology	3	ERSC 3051
ERSC 4311	Sedimentary Environments and Facies	3	ERSC 3901
ERSC 5051	Petroleum Geology	3	ERSC 3041+ERSC 4311
		58	

For reference Contact: HOD Earth Sciences Ext. **1444**

Approved by Dean of Science: _____ Date: _____

Office of Admissions & Registration: _____

Confirmed: _____