



Degree and Study Plan

College: **Science**
 Department: **Earth Sciences**
 Cohorts: 2010 - 2015
 Degree: **Bachelor of Science**
 Major: **Earth Sciences**
 Specialization:

Summary of Credits:

University Requirements (UR)	6
Arabic	3
Oman Contemporary Society	1
Oman & Islamic Civilization or Islamic Culture	2
University Electives (UE)	6
See List A	
College Requirements (CR)	3
See list B	
College Electives (CE)	37
See List C	
Departmental Requirements (DR)	24
See list D	
Departmental Electives	
See list E	
Major Requirements (AR)	46
See list F	
Major Electives (AE)	
See list G	
Minor Requirements (IR)	
See list H	
Minor Electives (IE)	
See list I	
Specialization Requirements (SR)	
See list J	
Specialization Electives (SE)	
See list K	
TOTAL	122

For reference contact: Dr. Salah Al-Khribash
 HoD
 Dean's Office
 Admission and Registration

Ext. 1404
 Date
 Date
 Date

Department of Earth Sciences - Earth Sciences Study Plan for Cohorts 2010-2015

	CR
University Requirements (UR)	6
University Electives (UE)	6
College Requirements (CR)	3
College Electives (CE)	37
Departmental Requirements (DR)	24
Major Requirement (AR)	46
TOTAL	122

	Course Code	Course Title	Cr.	Pre-req./Co-req.*	Cat.
Semester1	ARAB1001	Arabic	3		UR
	HIST1010 or ISLM1010	Oman & Islamic Civilization or Islamic Culture	2		UR
	ERSC2101	Introduction to Geology I	4	FPEL 0560 or FPEL0600 or FPEL0603 or FPEL0604	DR
	SOCY1001	Oman Contemporary Society	1		UR
	LANC2058	Communication in Science	3	FPEL 0560 or FPEL0600 or FPEL0603 or FPEL0604	CR
		University Elective	2		UE
	Total		15		

Semester 2	CHEM2101	General Chemistry I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109	MA
	PHYS2101	General Physics I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109	DR
	ERSC2102	Introduction to Geology II	4	ERSC2101	DR
		College Elective	3		CE
	Total		15		

Semester3	ERSC2011	Paleontology	3	ERSC2101	MA
	ERSC3000	Environmental Geology	3	ERSC2101+ CHEM2101	MA
		College Elective	4		CE
		College Elective	3		CE
		College Elective	3		CE
	Total		16		

Semester 4	ERSC3010	Mineralogy	3	ERSC2102	MA
	ERSC3021	Structural Geology	3	ERSC2102	DR
	ERSC3041	Stratigraphy	3	ERSC2102	DR
	ERSC3061	Remote Sensing	3	ERSC2102	MA
		College Elective	3		CE
	Total		15		

Semester 5	GEOP3041	General Geophysics	3	ERSC2101+PHYS 2101	DR
	ERSC3051	Igneous Petrology	3	ERSC3010	MA
	ERSC3901	Sedimentary Petrology	3	ERSC2102	MA
	ERSC4031	Geochemistry	3	ERSC2101+ CHEM2101	MA
		College Elective	3		CE
	Total		15		

Semester 6	ERSC3031	Geology of Oman	3	ERSC3041; ERSC3901	DR
	ERSC4311	Sedimentary Environments & Facies	3	ERSC3901	MA
	ERSC4012	Metamorphic Petrology	3	ERSC3051	MA
	ERSC4071	Economic Geology	3	ERSC3051	MA
		College Elective	3		CE
	Total		15		

Semester 7	ERSC4000	Field Mapping Project	3	ERSC4001	MA
	ERSC4001	Field Mapping Techniques	3	ERSC3021+ERSC3051+ ERSC3901	MA
	ERSC4051	Hydrogeology	3	ERSC3000	MA
	ERSC5051	Petroleum Geology	3	ERSC3041+ERSC4311	MA
		College Elective	3		CE
	Total		15		

Semester 8		College Elective	3		CE
		College Elective	3		CE
		College Elective	3		CE
		College Elective	3		CE
		University Elective	2		UE
		University Elective	2		UE
	Total		16		

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Degree Plan : 122 credits			
Course code	Cr	Course Title	Prerequisites (Co-requisites)
University Requirements: 12 Credits			
ARAB 1001	3	Arabic	
HIST1010 or ISLM1010	2	Oman & Islamic Civilization or Islamic Culture	
SOCY1001	1	Oman Contemporary 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

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Code	Title	Credits	College
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 (3 credits)

Code	Title	Credit	Pre-Requisite / Co-req. *
LANC 2058	Communication in Science	3	FPEL 0560 or FPEL0600 or FPEL0603 or FPEL0604
Total		3	

LIST C: College Electives (37 credits)

Earth Science Majors must take 37 credits of College electives including 4 credits from the table below and the remainder from any course in the College of Science that is not a Departmental or Major Requirement (core course) and for 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.

Note: 18 credits from these can also be used for a Minor

Code	Title	Cr	Pre-Requisites
4 credits from the following			
BIOL2101	General Biology I	4	FPEL 0560 or FPEL0600 or FPEL0603 or FPEL0604
COMP2101	Introduction to Computer Science	4	FPEL 0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPCS0101 or FPCS0102
STAT1001	Introduction to Statistics	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109
Total		4	

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LIST D: Departmental Requirements: (24 credits)

Code	Title	Credits	Pre-Requisite / Co-req. *
ERSC2101	Introduction to Geology I	4	FPEL 0560 or FPEL0600 or FPEL0603 or FPEL0604
ERSC2102	Introduction to Geology II	4	ERSC2101
ERSC3021	Structural Geology	3	ERSC2102
ERSC3031	Geology of Oman	3	ERSC3041
ERSC3041	Stratigraphy	3	ERSC2102
GEOP3041	General Geophysics	3	ERSC2101+PHYS 2101
MATH2107	Calculus I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109
PHYS2101	General Physics I	4	
		24	

LIST: E Major Requirements: (46 credits)

Code	Title	Credits	Pre-Requisite / Co-req. *
CHEM2101	General Chemistry I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109
ERSC2011	Paleontology	3	ERSC2101
ERSC3000	Environmental Geology	3	ERSC2101+ CHEM2101
ERSC3010	Mineralogy	3	ERSC2102
ERSC3051	Igneous Petrology	3	ERSC3010
ERSC3061	Remote Sensing	3	ERSC2102
ERSC3901	Sedimentary Petrology	3	ERSC2102
ERSC4000	Field Mapping Project	3	ERSC4001
ERSC4001	Field Mapping Techniques	3	ERSC3021+ERSC3051 +ERSC3901
ERSC4012	Metamorphic Petrology	3	ERSC3051
ERSC4031	Geochemistry	3	ERSC2101+CHEM2101
ERSC4051	Hydrogeology	3	ERSC3000
ERSC4071	Economic Geology	3	ERSC3051
ERSC4311	Sedimentary Environments and Facies	3	ERSC3901
ERSC5051	Petroleum Geology	3	ERSC3041+ERSC4311
		46	

For reference Contact: HOD Earth Sciences

Ext. 1444

Approved by Dean of Science: _____

Date: _____

Office of Admissions & Registration: _____

Confirmed: _____