



## Degree and Study Plan

College: Science  
 Department: Biology  
 Cohort: 2016-2017  
 Degree: Bachelor of Science  
 Major: Environmental Biology  
 Specialization:

### Summary of Credits:

<b>University Requirements (UR)</b>	<b>6</b>
Foundation Program	NC <sup>+</sup>
Arabic	3
Omani Contemporary Society	1
Oman and Islamic Civilization or Islamic Culture	2
<b>University Electives (UE)</b>	<b>6</b>
See List A	
<b>College Requirements (CR)</b>	<b>3</b>
See list B	
<b>College Electives (CE)</b>	<b>16</b>
See list C	
<b>Departmental Requirements (DR)</b>	<b>28</b>
See list D	
<b>Departmental Electives (DE)</b>	<b>0</b>
See list E	
<b>Major Requirements (AR)</b>	<b>36</b>
See list F	
<b>Major Electives (AE)</b>	<b>27</b>
See list G	
<b>Specialization Requirements (SR)</b>	<b>0</b>
See list H	
<b>Specialization Electives (SE)</b>	<b>0</b>
See list I	
<b>Minor Requirements (IR)<sup>++</sup></b>	<b>0</b>
See list J	
<b>Minor Electives (IE)<sup>++</sup></b>	<b>0</b>
See list K	
<b>TOTAL</b>	<b>122</b>

<sup>+</sup> Not credited.

<sup>++</sup> Minor is optional: minimum total credits to earn a Minor are 18. Courses counting towards an approved Minor may substitute courses listed as Major Electives (List G) but no more than 8 credits counting towards the Major degree (lists C, D, E, F) may count towards a Minor.

For reference contact: **Aliya Alansari**

Ext. 6825

HoD: **Raeid Abed**

Date: 24/10/2023

Dean's Office:

Date: 12.11.2023

Admission and Registration:

Date:



Categories	CR
University Requirements (UR)	6
University Electives (UE)	6
College Requirement (CR)	3
College Electives (C)	16
Departmental Requirements (DR)	28
Major Requirements (AR)	36
Major Electives (AE)	27
<b>TOTAL</b>	<b>122</b>

**Department of Biology – Environmental Biology Degree Plan for Cohort 2016-2017**

**Study Plan: for Cohort 2016-2017**

	Course Code	Course Title	Cr.	Pre-req./Co-req.*	Cat.
Semester 1 Fall	SOCY1001 or SOCY1007*	Omani Contemporary Society or Omani Contemporary Society (2 Cr)*	1		UR
	LANC2058	Communication in Science	3	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604	CR
	BIOL2101	General Biology I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604	CE
	CHEM2101	General Chemistry I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109	CE
		University elective	2		UE
	<b>Total</b>		<b>14</b>		

\* For Non-Omani Students only

Semester 2 Spring	ARAB1001 or ARAB1019	Arabic Arabic for Non-Arabic Speakers	3		UR
	HIST1010 or ISLM1010	Oman and Islamic Civilization or Islamic Culture	2		UR
	BIOL2102	General Biology II	4	BIOL2101	DR
		College Elective	4		CE
		University Elective	2		UE
	<b>Total</b>		<b>15</b>		

Semester 3 Fall	BIOL3005	Ecology	3	BIOL2102 and LANC2058	AR
	BIOL3011	Plant Physiology	3	BIOL2102 and LANC2058	DR
	BIOL3202	Molecular Biology	3	BIOL2101 and LANC2058	DR
		College Elective	4		CE
		University Elective	2		UE

Semester 4 Spring	<b>Total</b>		<b>15</b>		
	BIOL3009	Introduction to Environmental Science	3	BIOL2102 and LANC2058	AR
	BIOL3410	Angiosperm Biology	3	BIOL2102 and LANC2058	AR
	BIOL3441	Introductory Microbiology	3	BIOL2101 and LANC2058	DR
	CHEM3324	Organic Chemistry for Engineering	4	CHEM2101 and LANC2058	DR
		Major Elective	3		AE
<b>Total</b>			<b>16</b>		

Semester 5 Fall	BIOL3023	Animal Physiology	4	BIOL2102 and LANC2058	DR
	BIOL3025	Invertebrates	3	BIOL2102 and LANC2058	AR
		Major Elective	3		AE
		Major Elective	3		AE
		Major Elective	3		AE
	<b>Total</b>		<b>16</b>		

Semester 6 Spring	BIOL3030	Population Genetics	3	BIOL2102 and LANC2058	AR
	BIOL4009	Waste Management	3	BIOL3009	AR
	BIOL4021	Vertebrate Zoology	3	BIOL2102	AR
		Major Elective	3		AE
		Major Elective	3		AE
	<b>Total</b>		<b>15</b>		

Semester 7 Fall	BIOL4054	Marine Biology	3	BIOL3005	AR
	BIOL4100	Biological Data Handling	3	BIOL2102	DR
	BIOL5010	Ecotoxicology	3	BIOL3009	AR
		Major Elective	3		AE
		Major Elective	3		AE
	<b>Total</b>		<b>15</b>		

Semester 8 Spring	BIOL5021	Desert Biology	3	BIOL3005	AR
	BIOL5052	Freshwater Biology	3	BIOL3005	AR
	BIOL5104	Graduation Research Project	4	BIOL4100	DR
	BIOL5610	Environmental Impact Assessment	3	BIOL3009	AR
		Major Elective	3		AE
	<b>Total</b>		<b>16</b>		

## Department of Biology – Environmental Biology Degree Plan for Cohort 2016-2017

### UNIVERSITY REQUIREMENTS (6 Credits)

\* For Non-Omani Students Only

Code	Title	Credits	Pre-Requisite / Co-req. *
ARAB1001 or ARAB1019	Arabic Arabic for Non-Arabic Speakers	3	
HIST1010 or ISLM1010	Oman and Islamic Civilization or Islamic Culture	2	
SOCY1001 or SOCY1007*	Omani Contemporary Society or Omani Contemporary Society (2 Cr)*	1	
<b>Total</b>		<b>6</b>	

### LIST A: UNIVERSITY ELECTIVES (6 Credits)

See SQU Deanship of Admission and Registration Website for an updated list of University Electives.

### LIST B: COLLEGE REQUIREMENTS (3 Credits)

†LANC2058 is a pre-requisite for all 3000-level College of Science courses.

Code	Title	Credits	Pre-Requisite / Co-req. *
LANC2058†	Communication in Science	3	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604
<b>Total</b>		<b>3</b>	

### LIST C: COLLEGE ELECTIVES (16 Credits)

Course Code	Course Title	Credits	Pre-Requisite / Co-Req. *
BIOL2101†	General Biology I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604
CHEM2101†	General Chemistry I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109
COMP2101	Introduction to Computer Science	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPCS0101 or FPCS0102
ERSC2101	Introduction to Geology I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604
MATH2107	Calculus I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109
PHYS2101	General Physics I	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109
STAT2101	Introduction to Statistics	4	FPEL0560 or FPEL0600 or FPEL0603 or FPEL0604 and FPMT0105 or FPMT0109

† BIOL2101 and CHEM2101 are important pre-requisite courses for Biology Department requirements.

**LIST D: DEPARTMENTAL REQUIREMENTS (28 Credits)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Pre-Requisite / Co-req.*</b>
BIOL2102	General Biology II	4	BIOL2101
BIOL3011	Plant Physiology	3	BIOL2102 and LANC2058
BIOL3023	Animal Physiology	4	BIOL2102 and LANC2058
BIOL3202	Molecular Biology	3	BIOL2101 and LANC2058
BIOL3441	Introductory Microbiology	3	BIOL2101 and LANC2058
BIOL4100	Biological Data Handling	3	BIOL2102
BIOL5104	Graduation Research Project	4	BIOL4100
CHEM3324	Organic Chemistry	4	CHEM2101 and LANC2058
<b>Total</b>		<b>28</b>	

**LIST E: BIOLOGY DEPARTMENTAL ELECTIVES (0 Credits)****LIST F: ENVIRONMENTAL BIOLOGY MAJOR REQUIREMENTS (36 Credits)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Pre-Requisite / Co-req.</b>
BIOL3005	Ecology	3	BIOL2102 and LANC2058
BIOL3009	Introduction to Environmental Science	3	BIOL2102 and LANC2058
BIOL3025	Invertebrates	3	BIOL2102 and LANC2058
BIOL3030	Population Genetics	3	BIOL2102 and LANC2058
BIOL3410	Angiosperm Biology	3	BIOL2102 and LANC2058
BIOL4009	Waste Management	3	BIOL3009
BIOL4021	Vertebrate Zoology	3	BIOL2102
BIOL4054	Marine Biology	3	BIOL3005
BIOL5010	Ecotoxicology	3	BIOL3009
BIOL5021	Desert Biology	3	BIOL3005
BIOL5052	Freshwater Biology	3	BIOL3005
BIOL5610	Environmental Impact Assessment	3	BIOL3009
<b>Total</b>		<b>36</b>	

**Department of Biology – Environmental Biology Degree Plan for Cohort 2016-2017**

**LIST G. MAJOR ELECTIVES (AR) (27 CREDITS)**

“All College of Science courses not used for required courses (Lists A, B, C, D, E, F, H and I) can be taken as major electives”.

Refer Major Electives page on the College Website:

<https://www.squ.edu.om/science/Academic-Programs/Undergraduate-Programs/Major-Electives>

**Department of Biology – Environmental Biology Degree Plan  
Cohorts 2016-2017**

**MINORS AVAILABLE TO Environmental Biology MAJORS**

**LISTS J and K: MINOR REQUIREMENTS and ELECTIVES (18 Credits)**

Refer to Minor page on the College Website to see the available minors and their requirements:

<https://www.squ.edu.om/science/Academic-Programs/Undergraduate-Programs>

\* Students are required to complete 18 Credits in the minor courses to qualify for a minor.

\* Courses counting towards an approved Minor may substitute courses listed as Major Electives (List G) but no more than 8 credits counting towards the Major degree (lists C, D, E, F) may count towards a Minor.

\* Students should take a minor different than their major.

For reference contact: **Aliya Al Ansari**

Ext. **6825**

HOD: **Prof Racid Abed**

Approved by Dean of Science:



Date: **12.11.2023**

Office of Admissions and Registration: \_\_\_\_\_

Confirmed: \_\_\_\_\_

