

Bachelor of Science (B.Sc.) Degree Program in Life Sciences

4-Year Curriculum: 132 Credit Hours Total

COURSE TITLE	CR	COURSE TITLE	CR
Semester 1 (17-18 c.h.)		First Year	
(Math/GER) Mathematics: Calculus 1	3	(Math/GER) Calculus 2	3
(HUM/GER) English I: Writing and Rhetoric	3	(HUM/GER) English II: Writing and Reading	3
General Biology I	3+1	General Biology II	3+1
General Chemistry I	3+1	General Chemistry II	3+1
(HUM/ GER) Elective# Or	3	(HUM/GER)Elective# Or	3
SS/GER Islamic Studies	2+2	SS/GER Elective*	3
[GER= General Education Requirement; HUM=Humanities; SS=Social Science] [#=e.g., Oral Communication; Technical Writing; Arabic Studies and Literature] [*e.g., Psychology; History; Sociology; World Political Systems; World Geography; Economics]			
Semester 1 (18 c.h.)		Second Year	
Microbiology	3+1	Human/Animal Physiology	3+1
Organic Chemistry I	3+1	Analytical Chemistry (Organic Chemistry II)	2+2
General Physics I	3+1	General Physics II	3+1
HUM/GDR Ethics	3	Biomedical/Research Ethics	3
Probability & Statistics	3	Computer Science	3
Semester 1 (17 c.h.)		Third Year	
Molecular Biology I	4	Molecular Biology II	4
Biochemistry I	4	Biochemistry II	4
Elective**	3	SS/GDR Elective*	3
Elective**	3	Elective**	4
Elective**	3		
[*e.g., Psychology; History; Sociology; World Political Systems; World Geography; Economics] [**Environmental Science; Environmental Ethics; Science of Energy; Computer Science]			
Semester 1 (16 c.h.)		Fourth Year	
Life Sciences Special Topics I**	4	Life Sciences Special Topics III**	4
Life Sciences Special Topics II**	4	Research Project	8
Research Project	8	Integrative Research Seminar	4
[**inclusive of topics (e.g.) in Biophysics; Genetics; Stem Cell Science; Human Virology; Environmental Science; Mathematical Modeling]			