



Study Plan: Bachelor of Biology

First Level:

	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	MTH 1101	General Mathematics	3	3	0	0	0	---	---	College
2	CHM 1100	General Chemistry (1)	3	2	0	2	0	---	---	College
3	ENGL 1102	English Language (1)	4	2	0	4	0	---	---	College
4		University Elective Course from Group (1)	2							University
5		University Elective Course from Group (1)	2							University
6		University Elective Course from Group (2)	2							University
7		University Elective Course from Group (3)	3							University
Total			19							

Second Level:

	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	ENGL 1103	English Language (2)	4	2	0	4	0	ENGL 1102	---	College
2	BIO 1101	Principles of Biology	3	2	0	2	0	--	---	College
3	MTH 1102	Differential Calculus	3	3	0	0	0	MTH 1101	---	College
4	PHS 1100	General Physics (1)	3	2	0	2	0	--	---	College
5	MTH 1171	General Statistics	3	3	0	0	0	---	---	College
6	BUS 1102	Principles of Project Management	2	2	0	0	0	---	---	University
Total			18							



Third Level:

	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	BIO 1211	General Zoology	3	2	0	2	0	BIO 1101	---	Program
2	BIO 1221	General Botany	3	2	0	2	0	BIO 1101	---	Program
3	BIO 1231	Microbiology	3	2	0	2	0	BIO 1101	---	Program
4	BIO 1241	Fundamental Ecology	2	2	0	0	0	BIO 1101	---	Program
5	BIO 1251	Lab Safety and Management	2	0	0	4	0	--	---	Program
6	CHM 1213	Organic Chemistry	3	2	0	2	0	CHM 1100	---	Program
7	CIS 1210	Principles of Artificial Intelligence in Science	2	2	0	0	0	--	---	Program
Total			18							

Fourth Level:

	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	BIO 1212	Chordata	3	2	0	2	0	BIO 1211	---	Program
2	BIO 1213	Invertebrates	3	2	0	2	0	BIO 1211	---	Program
3	BIO 1222	Plant Morphology and Anatomy	3	2	0	2	0	BIO 1221	---	Program
4	BIO 1242	Pollution and Environment Protection	2	2	0	0	0	BIO 1241	---	Program
5	CHM 1214	Biochemistry	3	2	0	2	0	CHM 1213	---	Program
6	BIO 1252	Cell Biology	2	1	0	2	0	BIO 1101	---	Program
7	BIO 1253	Immunology	2	1	0	2	0	BIO 1211	---	Program
Total			18							



Fifth Level:

	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	BIO 1311	Animal Physiology	3	2	0	2	0	BIO 1211	---	Program
2	BIO 1321	Plant Physiology	3	2	0	2	0	CHM 1214 BIO 1221	---	Program
3	BIO 1331	Viruses and Bacteria	3	2	0	2	0	BIO 1231	---	Program
4	BIO 1332	Phycology	2	1	0	2	0	BIO 1231	---	Program
5	BIO 1351	Genetics	3	2	0	2	0	BIO 1252	---	Program
6	BIO 1352	Microtechniques	2	1	0	2	0	BIO 1252	---	Program
7		Elective Course (List A)	2							Program
Total			18							

Sixth Level:

	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	BIO 1312	Animal Histology	2	1	0	2	0	BIO 1211	-	Program
2	BIO 1313	Entomology	3	2	0	2	0	BIO 1213	-	Program
3	BIO 1322	Taxonomy of Flowering Plants	3	1	0	2	0	BIO 1222	-	Program
4	BIO 1353	Molecular Biology	3	2	0	2	0	BIO 1351 CHM 1214	-	Program
5		Elective Course (List B)	2						-	Program
6		Elective Course (List B)	2						-	Program
Total			15							



Seventh Level:

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	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	BIO 1491	Cooperative Training (1)	4	0	0	0	8	Pass 95 Credit Hours	PHS 1400	Program
2	BIO 1492	Skills in Writing Research and Analyzing Biological Data	2	0	0	4	0	Pass 95 Credit Hours		Program
3	PHS 1400	Professional Courses	2	0	0	0	4	---	BIO 1491	University
4	BIO 1411	Parasitology	3	2	0	2	0	BIO 1313	---	Program
5	BIO 1412	Embryology	3	2	0	2	0	BIO 1312	---	Program
Total			14							

Eighth Level:

	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites	Type of requirements (University, College, or Program)
				Lec.	Tut.	Lab	Tr			
1	BIO 1494	Cooperative Training (2)	4	0	0	0	8	BIO 1491		Program
2	BIO 1431	Mycology	3	2	0	2	0	BIO 1331	---	Program
3	BIO 1441	Desert Ecology	2	2	0	0	0	BIO 1242	---	Program
4	BIO 1493	Research Project	3	0	0	6	0	Pass 100 Credit Hours BIO 1492	---	Program
5		Elective Course (List C)	2						---	Program
6		Elective Course (List C)	2						---	Program
Total			16							



Program Requirements (Elective Courses List A):

The student must select (1) course (2 Credit Hours) from the list below:

#	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites
				Lec.	Tut.	Lab	Tr		
1	BIO 1333	Archegoniates	2	1	0	2	0	BIO 1231	--
2	BIO 1341	Wildlife Conservstion	2	2	0	0	0	BIO 1241	--
3	BIO 1342	Bioremediation of Environmental Pollutants	2	2	0	0	0	BIO 1241	--
4	BIO 1314	Comparative Anatomy	2	1	0	2	0	BIO 1212	--
Total			2						

Program Requirements (Elective Courses List B):

The student must select (2) courses (4 Credit Hours) from the list below:

#	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites
				Lec.	Tut.	Lab	Tr		
1	BIO 1315	Medical and Economic Arthropods	2	1	0	2	0	BIO 1213	--
2	BIO 1354	Histochemistry	2	1	0	2	0	CHM 1214	--
3	BIO 1323	Plant Tissue Cultures	2	1	0	2	0	BIO 1222	--
4	BIO 1324	Plant Diseases	2	1	0	2	0	BIO 1331	--
5	BIO 1355	Selected Topics in Biology	2	2	0	0	0	Pass 75 Credit Hours	--
6	BIO 1345	Flora of KSA	2	2	0	0	0	BIO 1222	--
Total			4						

Program Requirements (Elective Courses List C):

The student must select (2) courses (4 Credit Hours) from the list below:

#	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites
				Lec.	Tut.	Lab	Tr		
1	BIO 1414	Animal Behaviour	2	2	0	0	0	BIO 1311	--
2	BIO 1415	KSA Fauna	2	2	0	0	0	BIO 1311	--
3	BIO 1421	Economic Plants of KSA	2	2	0	0	0	BIO 1322	--
4	BIO 1422	Plant Communities	2	1	0	2	0	BIO 1322	--
5	BIO 1432	Microbial Environment	2	1	0	2	0	BIO 1331	--
6	BIO 1433	Biotechnology	2	1	0	2	0	BIO 1331	--
Total			4						



University Requirements (Elective Courses Group 1):

The student must select (2) courses (4 Credit Hours) from the list below Group (1):

#	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites
				Lec.	Tut.	Lab	Tr		
1	ISL 1100	The Noble Qur'an	2	2	0	0	0	--	--
2	ISL 1101	Interpretation of the Qur'an	2	2	0	0	0	--	--
3	ISL 1102	Creed and Family in Islam	2	2	0	0	0	--	--
4	ARB 1102	Arabic Language Skills	2	2	0	0	0	--	--
5	EDU 1101	History and Civilization of Kingdom of Saudi Arabia	2	2	0	0	0	--	--
6	EDU 1104	Islamic Ethics and Values	2	2	0	0	0	--	--
7	EDU 1105	Learning and Communication Skills	2	2	0	0	0	--	--
Total			4						

University Requirements (Elective Courses Group 2):

The student must select (1) course (2 Credit Hours) from the list below Group (2):

#	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites
				Lec.	Tut.	Lab	Tr		
1	BUS 1101	Entrepreneurship	2	2	0	0	0	--	--
2	BUS 1103	Principles of Financial Knowledge	2	2	0	0	0	--	--
Total			2						

University Requirements (Elective Courses Group 3):

The student must select (1) course (3 Credit Hours) from the list below Group (3):

#	Course Code	Course Title	Credit Hours	Activity				Pre-requisites	Co-requisites
				Lec.	Tut.	Lab	Tr.		
1	CIS 1100	Computer Skills	3	2	0	2	0	-	-
Total			3						