

## Study plan

<b>Year one</b>	<b>Level One</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1001	General Biology	4	3	2	–
CHEM	1001	General Chemistry	4	3	2	–
ISLM	1001	Islamic Culture (1)	2	2	–	–
ARAB	1001	Language Skills	2	2	–	–

<b>Year one</b>	<b>Level Two</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
MATH	1001	Calculus (1)	4	3	2	–
PHYS	1001	General Physics	4	3	2	–
ISLM	1003	Recitation and Quranic Guidance	2	2	–	–
HIST	1001	History of Saudi Arabia Kingdom	2	2	–	–

<b>Year one</b>	<b>Level Three</b>	<b>Total Credit Units 13</b>	<b>Number of courses 5</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
ENGL	1001	English language	3	3	–	–
BIO	1002	Plant Morphology	3	2	2	–
BIO	1003	Cytology	3	2	2	–
ISLM	1002	Islamic Culture (2)	2	2	–	–
CS	1001	Fundamentals of digital transformation	2	2	–	–

<b>Year Two</b>	<b>Level Four</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1250	Invertebrates	3	2	2	–
BIO	1251	Histology	3	2	2	BIO1003
BIO	1252	Plant Anatomy	3	2	2	–
BIO	1253	Bacteriology	3	2	2	–



<b>Year Two</b>	<b>Level Five</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1254	Fundamentals of Ecology	3	2	2	–
BIO	1255	Fundamentals of Genetics	3	2	2	BIO1003
BIO	1256	Mycology	3	2	2	–
CHEM	1262	Organic Chemistry	3	2	2	CHEM1001

<b>Year Two</b>	<b>Level Six</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1257	Chordates	3	2	2	–
BIO	1258	General Entomology	3	2	2	BIO1250
BIO	1259	Plant Physiology	3	2	2	BIO1252
BIO	1260	Phycology	3	2	2	–

<b>Year Three</b>	<b>Level Seven</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1500	Animal Physiology	4	3	2	BIO1251
BIO	1501	Microbial Physiology	3	2	2	BIO1253
BIO	1502	Virology	3	2	2	–
STAT	1501	Biostatistics	2	2	–	–

<b>Year Three</b>	<b>Level Eight</b>	<b>Total Credit Units 13</b>	<b>Number of courses 5</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1503	Archegoniates	3	2	2	–
BIO	1504	Flowering Plants Taxonomy	3	2	2	BIO1002
BIO	1505	Microbial Ecology	3	2	2	–
BIO	1506	Cytogenetics	2	2	–	BIO1255
BIO	1507	Animal Behaviour	2	2	–	–



<b>Year Three</b>	<b>Level Nine</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1508	Parasitology	3	2	2	BIO1250
BIO	1509	Medical Microbiology	3	2	2	BIO1501
BIO	1510	Molecular Biology	3	2	2	BIO1255
CHEM	1512	Biochemistry	3	2	2	CHEM1262

<b>Year Four</b>	<b>Level Ten</b>	<b>Total Credit Units 14</b>	<b>Number of courses 5</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1750	Biotechnology	3	2	2	BIO1510
BIO	1751	Industrial Microbiology	3	2	2	BIO1253 + BIO1256
BIO	1752	Plant Ecology	3	2	2	BIO1254
BIO	1753	Endocrinology	2	2	–	BIO1500
		Elective (1)	3	2	2	

<b>Year Four</b>	<b>Level Eleven</b>	<b>Total Credit Units 14</b>	<b>Number of courses 5</b>
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Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1754	Immunology	3	2	2	BIO1500
BIO	1755	Plant Hormones	2	2	–	–
BIO	1756	Graduation Project	3	2	2	Bass 92 C. H.
BIO	1757	Flora of Saudi Arabia	3	2	2	BIO1504
		Elective (2)	3	2	2	

<b>Year Four</b>	<b>Level Twelve</b>	<b>Total Credit Units 12</b>	<b>Number of courses 4</b>
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Course Code	Course No.	Course Title (English)	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1758	Environmental Pollution	3	2	2	BIO1254
BIO	1759	Fauna of Saudi Arabia	3	2	2	BIO1250+ BIO1257
BIO	1760	Embryology	3	2	2	BIO1257
		Elective (3)	3	2	2	



### Elective Courses

Course Code	Course No.	Course Title	Credit Units	Lecture	Practical	Pre-requisite(s)
BIO	1761	Techniques and Laboratory Instruments	3	2	2	—
BIO	1762	Biological Control	3	2	2	—
BIO	1763	Bioinformatics	3	2	2	BIO1510
BIO	1764	Food Microbiology	3	2	2	BIO1501
BIO	1765	Plant Tissue Culture	3	2	2	BIO1259
BIO	1766	Economic and Medical Entomology	3	2	2	BIO1258
BIO	1767	Economic Plants	3	2	2	BIO1002
BIO	1768	Comparative Anatomy	3	2	2	BIO1257
BIO	1769	Soil-Plant Relationship	3	2	2	BIO1259

