

Year 1

FALL			
Codes	Credits	Course Titles	Pre-requisites
MAT105	4	Calculus for Biomedical Sciences I	none
ENG101	3	Freshman English I	none
BIO101	4	General Biology I	none
CHM101	4	General Chemistry I	none
ARB101	2	Arabic Language I	none

SPRING			
Codes	Credits	Course Titles	Pre-requisites
MAT116	4	Calculus for Biomedical Sciences II	MAT101
ENG112	3	Freshman English II	ENG101
BIO112	4	General Biology II	BIO101
CHM112	4	General Chemistry II	CHM101
ARB112	2	Arabic Language II	ARB101

Year 2

FALL			
Codes	Credits	Course Titles	Pre-requisites
BIO223	4	Microbiology	BIO112
CHM211	4	Organic Chemistry I	CHM112
PHU205	4	Mechanics & Waves for Life Sciences	MAT105
ISL101	2	Islamic Studies I	none
STA211	3	Probability & Statistics	MAT112

SPRING			
Codes	Credits	Course Titles	Pre-requisites
BIO224	4	Human Physiology and Anatomy	BIO112
CHM212	4	(Organic Chemistry II)	CHM211
PHU216	4	Electromagnetism & Optics for Life Sciences	PHU205
ISL112	2	Islamic Studies II	ISL101
CSC101	3	Introduction to Computer Science	none

Year 3

FALL			
Codes	Credits	Course Titles	Pre-requisites
BIO345	4	Molecular Biology I	BIO112
BIO346	4	Biochemistry I	CHM212
CSC112	3	Programming for Life Science	CSC101
HUMXXX	2	Humanity Science	
SCI3XX	3	Advanced Course in Molecular Biosciences	BIO224

SPRING			
Codes	Credits	Course Titles	Pre-requisites
BIO357	4	Molecular Biology II	BIO345
BIO358	4	Biochemistry II	BIO346
SCI3XX	3	Advanced Course in Molecular Biosciences	BIO224
SCI3XX	3	Advanced Course in Molecular Biosciences	BIO224
CHM310	4	Introduction to Instrumental Analysis	CHM212

Year 4

FALL			
Codes	Credits	Course Titles	Pre-requisites
LST42X	4	Life Sciences Special Topics	BIO357; BIO358
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LSR421	8	Life Science Research Project	BIO357; BIO358

SPRING			
Codes	Credits	Course Titles	Pre-requisites
LST42X	4	Life Sciences Special Topics	BIO357; BIO358
LSR422	8	Life Science Research Project (continued)	BIO357; BIO358
LSR423	4	Integrative Life Science Research Seminar	LSR 421