

Year 1

FALL				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
MAT105	3	Calculus for Biomedical Sciences I	none	none
ENG101	3	Freshman English I	none	none
BIO101	3	General Biology I	none	none
BIO101L	1	General Biology I Lab	none	BIO101
CHM101	3	General Chemistry I	none	none
CHM101L	1	General Chemistry I Lab	none	CHM101
CSC101	3	Introduction to Computer Sci	none	none
ARB101	2	Arabic Language I	none	none

SPRING				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
MAT116	3	Calculus for Biomedical Sciences II	MAT105	none
ENG112	3	Freshman English II	ENG101	none
BIO112	3	General Biology II	BIO101	none
BIO112L	1	General Biology II Lab	none	BIO112
CHM112	3	General Chemistry II	CHM101	none
CHM112L	1	General Chemistry II Lab	none	CHM112
HUMXXX	2	Humanity Elective Course	none	none
ARB112	2	Arabic Language II	ARB101	none

Year 2

FALL				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
BIO223	3	Microbiology	BIO112, CHM112	none
BIO223L	1	Microbiology Lab		BIO223
CHM211	3	Organic Chemistry I	CHM112	none
CHM211L	1	Organic Chemistry I Lab		CHM211
PHU205	3	Mechanics & Waves for Life Sciences	MAT105	none
PHU205L	1	Mechanics & Waves for Life Sciences Lab		PHU205L
ISL101	2	Islamic Studies I	none	none
STA211	3	Probability & Statistics	MAT116	none

SPRING				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
BIO224	3	Human Physiology and Anatomy	BIO112	none
BIO224L	1	Human Physiology and Anatomy Lab		BIO224
CHM212	3	Organic Chemistry II	CHM211	none
CHM212L	1	Organic Chemistry II Lab		CHM212
PHU216	3	Electromagnetism & Optics for Life Sciences	PHU205	none
PHU216L	1	Electromagnetism & Optics for Life Sciences Lab	PHU205	PHU216
ISL112	2	Islamic Studies II	ISL101	none
SCIXXX	3	Science Elective		

Year 3

FALL				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
BIO345	3	Molecular Biology I	BIO 112 BIO 223 CHM 112 CHM 211	none
BIO345L	1	Molecular Biology I Lab		BIO345
BIO346	3	Biochemistry I	BIO 112 BIO 223 CHM 211	none
BIO346L	1	Biochemistry I Lab		BIO346
CSC112	3	Programming for Life Science	CSC101	none
SCI3XX	3	Science Elective		
SCI3XX	3	Science Elective		

SPRING				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
BIO357	3	Molecular Biology II	BIO345	none
BIO357L	1	Molecular Biology II Lab		BIO357
BIO358	3	Biochemistry II	BIO346	none
BIO358L	1	Biochemistry II Lab		BIO358
SCI3XX	3	Science Elective		none
SCI3XX	3	Science Elective		none
CHM310	3	Introduction to Instrumental Analysis	CHM212	none
CHM310L	1	Introduction to Instrumental Analysis Lab		CHM310

Year 4

FALL				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
LST421	4	Epigenetics	BIO357; BIO358	none
LST422	4	Nanotechnology	BIO357; BIO358	none
LSR421	8	Life Science Research Project	BIO357; BIO358	none

SPRING				
Codes	Credits	Course Titles	Pre-requisites	Co-requisites
LST423	4	Biotechnology	BIO357; BIO358	none
LSR422	8	Life Science Research Project (continued)	BIO357; BIO358	none
LSR423	4	Integrative Life Science Research Seminar	BIO357; BIO358	none