



**Biology (BIOL)**

**First Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
CSCI200	Introduction to Computers	3	ENGL051	
ENGL201	Composition and Research Skills	3	ENGL151	
MATH245	Statistics for Health Sciences	3	ENGL051 - ENGL101 - ENGL151	
BIOL200L	General Biology I Lab	1	ENGL051 - ENGL101	BIOL200
CHEM200L	General Chemistry Lab	1	ENGL101 - CHEM160	CHEM200
BIOL200	General Biology I	3	ENGL051 - ENGL101 - BIOL160	BIOL200L
CHEM200	General Chemistry	3	ENGL101 - CHEM160	CHEM200L
Total		17		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
BMED205	Biophysics	3	BIOL200	
BIOL250L	General Biology II Lab	1	BIOL200	BIOL250
ENGL251	Communication Skills	3	ENGL201	
BIOL275	Cell and Molecular Biology	3	BIOL200	BIOL275L
BIOL275L	Cell and Molecular Biology Lab	1	BIOL200	BIOL275
CHEM255	Basic Organic Chemistry	3	ENGL051 - ENGL101 - CHEM200	
BIOL250	General Biology II	3	BIOL200	BIOL250L
Total		17		

**Second Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
CHEM300L	Organic Chemistry Lab	2	CHEM255 - ENGL051 - ENGL101	
BIOL365	Genetics	3	BIOL275	
ARAB200	Arabic Language and Literature	3		
	Elective	3		
BIOC300	Biochemistry I (General)	4	CHEM255 - BIOL200	
Total		15		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
CULT200	Introduction to Arab - Islamic Civilization	3		
BIOL315	Animal Behaviour	3	BIOL200	BIOL360
BIOL360	Human Physiology & Anatomy	4	BIOL200	BIOL360L
BIOL360L	Human Physiology & Anatomy Lab	1		BIOL360
BIOL385L	Microbiology Lab	1	ENGL051 - ENGL101	BIOL385
BIOL385	Microbiology	3	ENGL051 - ENGL101 - BIOL200	BIOL385L
	Elective	3		
Total		18		

## Third Year

### Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
BIOL335L	Ecology Lab	1		BIOL335
BIOL335	Ecology	3	BIOL200	BIOL335L
CHEM260	Analytical Chemistry	3	CHEM200	CHEM260L
CHEM260L	Analytical Chemistry Lab	1	CHEM200	CHEM260
BIOL425	Immunology	3	BIOL275 - BIOL360	
	Elective	3		
Total		17		

### Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
BIOL490	Seminar	1		BIOL450
BIOL450	Modern Topics in Biology	3		BIOL435
BIOL375	Plant Physiology	3	BIOL250	BIOL375L
BIOL375L	Plant Physiology Lab	1	BIOL250	BIOL375
BIOL435	Developmental Biology	3	BIOL365 - BIOL360	BIOL435L
BIOL435L	Developmental Biology Lab	1	BIOL365 - BIOL360	BIOL435
BIOL485	Neurobiology	3	BIOL360	
Total		15		

### Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
BIOC445	Biotechnology	3	BIOL365 - BIOC300	
BIOL310	Virology	3	ENGL051 - ENGL101 - BIOL200	
BIOL320	Entomology	3	BIOL200	
BIOL325	Biology of Invertebrates	3	BIOL200	
BIOL340	Histology	3	BIOL200	
BIOL355	Biology Of Vertebrates	3	BIOL200	
BIOL380	Vascular Plants	3	BIOL250	
BIOL415	Endocrinology	3	BIOL360	
BIOL465	Biological Basis Of Behavior	3	BIOL360	
BMED435	Carcinogenesis and Oncology	3	BIOL275	
FDSC435	Food Toxicants and Additives	3	CHEM255	
FDSC475	Food Engineering	3	CHEM260	
NUTR250	Basic Nutrition	3		BIOL200