



Biomedical Science (BMED)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
CHEM200	General Chemistry	3	ENGL101-CHEM160	CHEM200L
ARAB200	Arabic Language and Literature	3		
CSCI200	Introduction to Computers	3	ENGL051	
ENGL201	Composition and Research Skills	3	ENGL151	
CHEM200L	General Chemistry Lab	1	ENGL101-CHEM160	CHEM200
BIOL200L	General Biology I Lab	1	ENGL051-ENGL101	BIOL200
BIOL200	General Biology I	3	ENGL051-ENGL101-BIOL160	BIOL200L
Total		17		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CHEM255L	Basic Organic Chemistry Lab	1	ENGL051-ENGL101-CHEM200	CHEM255
BIOL275	Cell and Molecular Biology	3	BIOL200	BIOL275L
CHEM255	Basic Organic Chemistry	3	ENGL051-ENGL101-CHEM200	CHEM255L
BIOL360L	Human Physiology & Anatomy Lab	1		BIOL360
BIOL360	Human Physiology & Anatomy	4	BIOL200	BIOL360L
BIOL275L	Cell and Molecular Biology Lab	1	BIOL200	BIOL275
CULT200	Introduction to Arab - Islamic Civilization	3		
Total		16		

Summer Semester

Code	Title	Credits	Prerequisites	Corequisites
BMED205	Biophysics	3	BIOL200	
ENGL251	Communication Skills	3	ENGL201	
Total		6		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
BIOC310	Medical Biochemistry	4	CHEM255-BIOL200	
BIOL385	Microbiology	3	ENGL051-ENGL101-BIOL200	BIOL385L
BIOL365	Genetics	3	BIOL275	
BIOL385L	Microbiology Lab	1	ENGL051-ENGL101	BIOL385
BMED420	Basic Life Support	1	BIOL360	
BMED360L	Hematology LAB	1		BMED360
BMED360	Hematology	3	BIOL360	BMED360L
Total		16		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
	General Education Electives	3		
BMED485	Clinical Assessment and Techniques	3	BIOL385	BMED445
BMED445	Pathophysiology	3	BIOL275-BIOL360	BMED445L

BIOL 425	Immunology	3	BIOL 275-BIOL 360	
BMED370L	Parasitology Lab	1		BMED370
BMED370	Parasitology	2	BIOL385	BMED370L
BMED445L	Clinical Case Conference	1	BIOL360	BMED445
Total		16		

Summer Semester

Code	Title	Credits	Prerequisites	Corequisites
BMED470	Clinical Mycology and Virology	2	BIOL385	
MATH245	Statistics for Health Sciences	3	ENGL051-ENGL101-ENGL151	
Total		5		

Third Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
BMED425L	Serology and Blood Banking Lab	1		BMED425
BMED425	Serology and Blood Banking	3	BMED360	BMED425L
BMED430L	Medical Microbiology Lab	1		BMED430
BMED430	Medical Microbiology	3	BIOL385	BMED430L
BMED450L	Clinical Chemistry Lab	1		BMED450
BMED450	Clinical Chemistry	3	BIOC310	BMED450L
MEDL399	Medical Laboratory Internship I	3	BMED485-BMED370-BMED450-BMED360	
Total		15		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
BMED475	Clinical Hematology and Hemostasis	2	BMED360	
	Major Elective	3		
BMED390	Medical Lab Management and Professional Ethics	1		BMED380
MEDL499	Medical Laboratory Internship II	3	MEDL399-BMED425L	
BMED460	Histopathology	3	BMED445	
BMED380	Introduction to Quality Control and Accreditation	2	MEDL399	BMED390
Total		14		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
BIOL415	Endocrinology	3	ENGL101-CHEM160	CHEM200L
BMED435	Carcinogenesis and Oncology	3		
BMED440	criminology and forensic science	3	ENGL051	
BMED465	Modern Topics In Biomedical Sciences	3	ENGL151	