



**Biomedical Science (BMED)**

**First Year**

**Fall Semester**

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

**Spring Semester**

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

**Summer Semester**

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

**Second Year**

**Fall Semester**

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

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
BMED370L	Parasitology Lab	1		BMED370
BMED370	Parasitology	2	BIOL385	BMED370L

BMED445	Pathophysiology	3	BIOL275 - BIOL360	BMED445L
BMED445L	Clinical Case Conference	1	BIOL360	BMED445
BMED485	Clinical Assessment and Techniques	3	BIOL385	BMED445
BIOL425	Immunology	3	BIOL275 - BIOL360	
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
BMED425	Serology and Blood Banking	3	BMED360	BMED425L
BMED425L	Serology and Blood Banking Lab	1		BMED425
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	
BMED430L	Medical Microbiology Lab	1		BMED430
Total		15		

### Spring Semester

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

## Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
BIOL415	Endocrinology	3	BIOC310 - BIOL360	
BMED435	Carcinogenesis and Oncology	3	BIOL275	
BMED440	criminology and forensic science	3	BMED445 - BIOL365	
BMED465	Modern Topics In Biomedical Sciences	3	BMED445 - BIOL365	