



**Biomedical Science (BMED)**

**Major Electives**

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
Total		3		

**Core Requirements**

Code	Title	Credits	Prerequisites	Corequisites
BIOC310	Medical Biochemistry	4	CHEM255 - BIOL200	
BIOL200	General Biology I	3	ENGL051 - ENGL101 - BIOL160	BIOL200L
BIOL200L	General Biology I Lab	1	ENGL051 - ENGL101	BIOL200
BIOL275	Cell and Molecular Biology	3	BIOL200	BIOL275L
BIOL275L	Cell and Molecular Biology Lab	1	BIOL200	BIOL275
BIOL360	Human Physiology & Anatomy	4	BIOL200	BIOL360L
BIOL360L	Human Physiology & Anatomy Lab	1		BIOL360
BIOL365	Genetics	3	BIOL275	
BIOL385	Microbiology	3	ENGL051 - ENGL101 - BIOL200	BIOL385L
BIOL385L	Microbiology Lab	1	ENGL051 - ENGL101	BIOL385
BIOL425	Immunology	3	BIOL275 - BIOL360	
BMED205	Biophysics	3	BIOL200	
CHEM200	General Chemistry	3	ENGL101 - CHEM160	CHEM200L
CHEM200L	General Chemistry Lab	1	ENGL101 - CHEM160	CHEM200
CHEM255	Basic Organic Chemistry	3	ENGL051 - ENGL101 - CHEM200	CHEM255L
CHEM255L	Basic Organic Chemistry Lab	1	ENGL051 - ENGL101 - CHEM200	CHEM255
MATH245	Statistics for Health Sciences	3	ENGL051 - ENGL101 - ENGL151	
Total		41		

**Major Requirements**

Code	Title	Credits	Prerequisites	Corequisites
BMED360	Hematology	3	BIOL360	BMED360L
BMED360L	Hematology LAB	1		BMED360
BMED370	Parasitology	2	BIOL385	BMED370L
BMED370L	Parasitology Lab	1		BMED370
BMED380	Introduction to Quality Control and Accreditation	2	MEDL399	BMED390
BMED390	Medical Lab Management and Professional Ethics	1		BMED380
BMED420	Basic Life Support	1	BIOL360	
BMED425	Serology and Blood Banking	3	BMED360	BMED425L
BMED425L	Serology and Blood Banking Lab	1		BMED425
BMED430	Medical Microbiology	3	BIOL385	BMED430L
BMED430L	Medical Microbiology Lab	1		BMED430
BMED445	Pathophysiology	3	BIOL275 - BIOL360	BMED445L

BMED445L	Clinical Case Conference	1	BIOL360	BMED445
BMED450	Clinical Chemistry	3	BIOC310	BMED450L
BMED450L	Clinical Chemistry Lab	1		BMED450
BMED460	Histopathology	3	BMED445	
BMED470	Clinical Mycology and Virology	2	BIOL385	
BMED475	Clinical Hematology and Hemostasis	2	BMED360	
BMED485	Clinical Assessment and Techniques	3	BIOL385	BMED445
MEDL399	Medical Laboratory Internship I	3	BMED485 - BMED370 - BMED450 - BMED360	
MEDL499	Medical Laboratory Internship II	3	MEDL399 - BMED425L	
Total		43		

### General Education Requirements

Code	Title	Credits	Prerequisites	Corequisites
ARAB200	Arabic Language and Literature	3		
CSCI200	Introduction to Computers	3	ENGL051	
CULT200	Introduction to Arab - Islamic Civilization	3		
ENGL201	Composition and Research Skills	3	ENGL151	
ENGL251	Communication Skills	3	ENGL201	
Total		15		

### General Education Electives

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
Total		3		

### 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	