



Bachelor of Science in 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 | BIOL425 - 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 | BIOL360 | BIOL275 - BMED445L |
| BMED445L | Clinical Case Conference | 1 | BIOL360 | BMED445 |
| BMED450 | Clinical Chemistry | 3 | BIOC310 | BMED450L |

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|----------|------------------------------------|----|--|---------|
| 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 | |