



Biology (BIOL)

Major Electives

| Code | Title | Credits | Prerequisites | Corequisites |
|-------|----------|---------|---------------|--------------|
| | Elective | 3 | | |
| | Elective | 3 | | |
| Total | | 6 | | |

Core Requirements

| Code | Title | Credits | Prerequisites | Corequisites |
|----------|--------------------------------|---------|-----------------------------|--------------|
| BIOC300 | Biochemistry I (General) | 4 | CHEM255 - BIOL200 | |
| BIOL200 | General Biology I | 3 | ENGL051 - ENGL101 - BIOL160 | BIOL200L |
| BIOL200L | General Biology I Lab | 1 | ENGL051 - ENGL101 | BIOL200 |
| BIOL250 | General Biology II | 3 | BIOL200 | BIOL250L |
| BIOL250L | General Biology II Lab | 1 | BIOL200 | BIOL250 |
| 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 | |
| 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 | |
| CHEM260 | Analytical Chemistry | 3 | CHEM200 | CHEM260L |
| CHEM260L | Analytical Chemistry Lab | 1 | CHEM200 | CHEM260 |
| CHEM300L | Organic Chemistry Lab | 2 | CHEM255 - ENGL051 - ENGL101 | |
| MATH245 | Statistics for Health Sciences | 3 | ENGL051 - ENGL101 - ENGL151 | |
| Total | | 43 | | |

Major Requirements

| Code | Title | Credits | Prerequisites | Corequisites |
|----------|---------------------------|---------|-----------------------------|--------------|
| BIOL315 | Animal Behaviour | 3 | BIOL200 | BIOL360 |
| BIOL335 | Ecology | 3 | BIOL200 | BIOL335L |
| BIOL335L | Ecology Lab | 1 | | BIOL335 |
| BIOL375 | Plant Physiology | 3 | BIOL250 | BIOL375L |
| BIOL375L | Plant Physiology Lab | 1 | BIOL250 | BIOL375 |
| BIOL385 | Microbiology | 3 | ENGL051 - ENGL101 - BIOL200 | BIOL385L |
| BIOL385L | Microbiology Lab | 1 | ENGL051 - ENGL101 | BIOL385 |
| BIOL425 | Immunology | 3 | BIOL275 - BIOL360 | |
| BIOL435 | Developmental Biology | 3 | BIOL365 - BIOL360 | BIOL435L |
| BIOL435L | Developmental Biology Lab | 1 | BIOL365 - BIOL360 | BIOL435 |
| BIOL450 | Modern Topics in Biology | 3 | | BIOL435 |
| BIOL485 | Neurobiology | 3 | BIOL360 | |
| BIOL490 | Seminar | 1 | | BIOL450 |
| Total | | 29 | | |

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 | | |
| | Elective | 3 | | |
| Total | | 6 | | |

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 |