



Major: Biology, Biomedical Science Concentration

This concentration is designed for students interested in Pre-Medicine, Pre-Dental, Pre-Veterinary Medicine, Pre-Physician Assistant/Associate, and medical research.

Required Courses:

Course number	Course title	Credit hours
BIO 1100	General Biology I and Laboratory	4
BIO 1110	General Biology II and Laboratory	4
BIO 2300	Human Anatomy and Physiology I and Laboratory	4
BIO 2400	Human Anatomy and Physiology II and Laboratory	4
Choose one of these courses: BIO 3650 BIO 3670	Cell Biology and Laboratory Genetics and Laboratory	4
Choose two of these courses: BIO 2230 BIO 2250 BIO 2600 or BIO 2240 BIO 3200 BIO 3300 BIO 3370 BIO 3600 BIO 3650 or BIO 3670	Natural History of Vertebrates and Laboratory Ornithology and Laboratory Parasitology and Laboratory or Invertebrate Zoology and Laboratory Evolution Comparative Vertebrate Morphology and Laboratory Histology and Laboratory Embryology and Laboratory Cell Biology and Laboratory or Genetics and Laboratory	8
BIO 3690	Microbiology and Laboratory	4
Choose one of these courses: BIO 3800 BIO 4850	Internship Research	2
BIO 4900	Seminar	4
CHM 3210	Biochemistry	4

Required Related Courses:

Course number	Course title	Credit hours
CHM 1100	General Chemistry I and Laboratory	4
CHM 1200	General Chemistry II and Laboratory	4
CHM 3100	Organic Chemistry I and Laboratory	4
CHM 3200	Organic Chemistry II and Laboratory	4
MAT 2360	Statistics	4
PHY 1100	General Physics I and Laboratory	4
PHY 1200	General Physics II and Laboratory	4
PSY 1100	General Psychology	4

Total minimal hours = 74 for a B.S. degree

Note: Students that complete a biology major with a concentration in biomedical sciences will earn a minor in chemistry.