

# Bachelor of Arts/Science in Integrated Studies - Biology Emphasis

---

25 credits

**Emphasis Requirements**

BIOL 1610 & BIOL 1615	Principles of Biology I and Principles of Biology I Lab	5
BIOL 1620 & BIOL 1625	Principles of Biology II and Principles of Biology II Lab	5
Complete a minimum of 15 credits from the following:		
BIOL 3010	Evolution	3
BIOL 3030	Principles of Genetics	4
BIOL 3040 & BIOL 3045	General Ecology and General Ecology Lab	4
BIOL 3100	Bioethics	3
BIOL 3110	Scientific Writing	2
BIOL 3140 & BIOL 3145	Comparative Vertebrate Anatomy and Comparative Vertebrate Anatomy Lab	4
BIOL 3150 & BIOL 3155	Biostatistics and the Scientific Method and Biostatistics and the Scientific Method Lab	3
BIOL 3200 & BIOL 3205	Invertebrate Zoology and Invertebrate Zoology Lab	4
BIOL 3250	Cancer Biology	2
BIOL 3340 & BIOL 3345	Plant Anatomy and Plant Anatomy Lab	4
BIOL 3360	Developmental Biology	3
BIOL 3450 & BIOL 3455	General Microbiology and General Microbiology Lab	4
BIOL 3460	Biology of Infectious Disease	3
BIOL 3550 & BIOL 3555	Eukaryotic Cell Biology and Eukaryotic Cell Biology Lab	4
BIOL 3470		3
BIOL 4190 & BIOL 4195	Mammalian Histology and Mammalian Histology Lab	4
BIOL 4200 & BIOL 4205	Plant Taxonomy and Plant Taxonomy Lab	4
BIOL 4230 & BIOL 4235	and General Parasitology Lab	4
BIOL 4240 & BIOL 4245	Virology and Virology Lab	4
BIOL 4260 & BIOL 4265	Herpetology and Herpetology Lab	3
BIOL 4270 & BIOL 4275	Ichthyology and Ichthyology Lab	3
BIOL 4280	Marine Biology	3
BIOL 4300 & BIOL 4305	Molecular Biology and Molecular Biology Laboratory	4
BIOL 4350 & BIOL 4355	Animal Behavior and Animal Behavior Lab	4
BIOL 4380 & BIOL 4385	Ornithology and Ornithology Lab	3
BIOL 4400	Pathophysiology	3

BIOL 4411 & BIOL 4415	Mammalogy and Mammalogy Lab	4
BIOL 4440 & BIOL 4445	General Entomology and General Entomology Lab	4
BIOL 4460 & BIOL 4465	Plant Ecology and Plant Ecology Lab	3
BIOL 4500 & BIOL 4505	Comparative Vertebrate Physiology and Comparative Vertebrate Physiology Lab	4
BIOL 4600 & BIOL 4605	Plant Physiology and Plant Physiology Lab	4

**NOTES:**

1. Students must select and complete two emphases and Core Requirements.
2. Grade C or higher in each Emphasis Area course required.