

**BACHELOR OF SCIENCE OR ARTS IN BIOLOGY  
WITH AN ANATOMY & PHYSIOLOGY EMPHASIS  
PRIOR TO FALL 2024**

**IMPORTANT INFORMATION TO REMEMBER:**

Students **MUST** complete a minimum of 40 Upper Division Hours (3000+ level courses)

Students **MUST** complete a minimum of 36 Biology credit hours

Students **MUST** complete 21 Biology Residency Hours that **MUST** be taken at the U

**SCIENCE CORE**

COURSE	TITLE	CREDITS	SEMESTER
MATH 1170 OR MATH 1210	CALCULUS FOR BIOLOGIST I OR CALCULUS I	4	
MATH 1180 OR MATH 1220	STATS W/CALCULUS FOR BIOLOGIST II OR CALCULUS II	4	
CHEM 1210	GEN CHEMISTRY I	4	
CHEM 1215	GEN CHEMISTRY LAB I	1	
CHEM 1220	GEN CHEMISTRY II	4	
CHEM 1225	GEN CHEMISTRY LAB II	1	
CHEM 2310	ORGANIC CHEMISTRY I	4	
PHYS 2010	GENERAL PHYSICS I	4	
PHYS 2020	GENERAL PHYSICS II	4	

**BIOLOGY CORE**

COURSE	TITLE	CREDITS	SEMESTER
BIOL 1610	FUND. OF BIOLOGY I	4	
BIOL 1615	FUND. OF BIOLOGY LAB I	1	
BIOL 1620	FUND. OF BIOLOGY II	4	
BIOL 1625	FUND. OF BIOLOGY LAB II	1	
BIOL 2020 OR BIOL 2021	PRINC. OF CELL BIOLOGY OR PRINC. OF CELL SCIENCE (HONORS)	3 OR 4	
BIOL 2030	GENETICS	3	

**ANATOMY & PHYSIOLOGY EMPHASIS CORE**

COURSE	TITLE	CREDITS	SEMESTER
BIOL 3410	ECOLOGY & EVOLUTION	3	
BIOL 3510	BIOLOGICAL CHEMISTRY	3	

**ANATOMY & PHYSIOLOGY EMPHASIS ELECTIVES**

**COMPLETE 1 EMPHASIS ELECTIVE**

**COURSES CANNOT DOUBLE COUNT IN EITHER SECTION**

COURSE	TITLE	CREDITS	SEMESTER
BIOL 3310	COMP VERTEBRATE MORPHOLOGY	3	
BIOL 3320	COMP PHYSIOLOGY	3	
BIOL 3325	COMP PHYSIOLOGY LAB	3 [L2]	
BIOL 3665	FORM, FUNCTION & ADAPTATION OF ANIMALS	3 [L2]	

**ANATOMY & PHYSIOLOGY EMPHASIS ELECTIVES**

**COMPLETE 2 EMPHASIS ELECTIVE**

**COURSES CANNOT DOUBLE COUNT IN EITHER SECTION**

COURSE	TITLE	CREDITS	SEMESTER
BIOL 2325	HUMAN ANATOMY	4 [L1]	
BIOL 2420	HUMAN PHYSIOLOGY	4	
BIOL 3310	COMP VERTEBRATE MORPHOLOGY	3	
BIOL 3320	COMP PHYSIOLOGY	3	
BIOL 3325	COMP PHYSIOLOGY LAB	3 [L2]	
BIOL 3330	BEHAVIORAL NEUROBIOLOGY	3	
BIOL 3360	VERTEBRATE EMBRYOLOGY	3	
BIOL 3380	EVOL & PHYSIO BASIS OF HEALTH	3	
BIOL 3665	FORM, FUNCTION & ADAPTATION OF ANIMALS	3 [L2]	
BIOL 5315	ADVANCED HUMAN ANATOMY	3 [L1]	
BIOL 5350	ORNITHOLOGY	3	
BIOL 5350	MAMMALOLOGY	3	
BIOL 5425	MYCOLOGY	4 [L1]	
BIOL 5480	ENTOMOLOGY	3	
BIOL 5510	GENES, DEVELOPMENT, & EVOLUTION	3	

**COMPLETE 2 5000-LEVEL BIOLOGY COURSES  
NEEDS TO BE AT LEAST 2 CREDIT HOURS**

COURSE	TITLE	CREDITS	SEMESTER

**COMPLETE AT LEAST 2 ADDITIONAL BIOLOGY LAB  
COURSES TOTALLING 3 LAB UNITS**

COURSE	TITLE	LAB UNITS	SEMESTER

**OTHER BIOLOGY COURSES NEEDED FOR THE  
REQUIRED 36 BIOLOGY HOURS**

COURSE	TITLE	CREDITS	SEMESTER