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## PRIOR TO FALL 2019

### BACHELOR OF SCIENCE OR ARTS IN BIOLOGY WITH AN ANATOMY & PHYSIOLOGY EMPHASIS

#### REQUIRED SCIENCE CORE COURSES

COURSE	TITLE	CREDITS	TAKING WHEN
MATH 1170 OR MATH 1210	CALCULUS FOR BIOLOGISTS I OR CALCULUS I	4	
MATH 1180 OR MATH 1220	STATISTICS WITH CALCULUS FOR BIOLOGISTS OR CALCULUS II	4	
CHEM 1210	GENERAL CHEMISTRY I	4	
CHEM 1215	GENERAL CHEMISTRY LAB I	1	
CHEM 1220	GENERAL CHEMISTRY II	4	
CHEM 1225	GENERAL CHEMISTRY LAB II	1	
CHEM 2310	ORGANIC CHEMISTRY I	4	
PHYS 2010	GENERAL PHYSICS I	4	
PHYS 2020	GENERAL PHYSICS II	4	

\*Some AP credit can count towards your science or biology core requirements. Please see the Master Course List for more information or see one of the Biology Academic Advisors for assistance\*

#### REQUIRED BIOLOGY CORE COURSES

COURSE	TITLE	CREDITS	TAKING WHEN
BIOL 1210 OR BIOL 1610	PRINCIPLES OF BIOLOGY OR FUNDAMENTAL PRINCIPLES OF BIOLOGY I	4	
BIOL 1620 OR BIOL 2010	FUNDAMENTAL PRINCIPLES OF BIOLOGY II OR EVOLUTION & DIVERSITY OF LIFE	4 OR 3	
BIOL 2020	PRINCIPLES OF CELL BIOLOGY	3	
BIOL 2030	PRINCIPLES OF GENETICS	3	
BIOL 3410	ECOLOGY & EVOLUTION	3	
BIOL 3510	BIOLOGICAL CHEMISTRY I	3	

\*Some AP credit can count towards your science or biology core requirements. Please see the Master Course List for more information or see one of the Biology Academic Advisors for assistance\*

#### COMPLETE ONE FORM & FUNCTION COURSE

**YOUR FIRST FORM & FUNCTION DOES NOT COUNT TOWARDS THE 18 HOURS OF BIOLOGY ELECTIVES  
IF YOU TAKE A SECOND ONE IT WILL COUNT TOWARDS THE 18 HOURS OF BIOLOGY ELECTIVES**

COURSE	TITLE	CREDITS	TAKING WHEN
BIOL 3310	COMP VERTEBRATE MORPHOLOGY	3	
BIOL 3320	COMPARATIVE PHYSIOLOGY	3	
BIOL 3330	BEHAVIORAL NEUROBIOLOGY	3	
BIOL 3380	EVOL & PHYSIOL BASIS OF HEALTH	3	



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**BIOLOGY ELECTIVES/LABS (18 CREDITS)**  
**SELECT AT LEAST 4 COURSES FROM THE APPROVED CLASSES BELOW**  
**TWO ELECTIVES MUST BE TAKEN AT THE 5000-LEVEL AND WORTH A MINIMUM 2 CREDITS**  
**A MAXIMUM OF 6 CREDITS OF 2000 LEVEL COURSES CAN COUNT TOWARDS THE 18 CREDITS**  
**A SECOND FORM & FUNCTION CAN COUNT TOWARDS THE ELECTIVE HOURS**  
**\*REFER TO MASTER COURSE LIST FOR ELECTIVES THAT COUNT TOWARDS THE 18 CREDITS\***

COURSE	TITLE	CREDITS	TAKING WHEN
BIOL 2210	HUMAN GENETICS	3	
BIOL 2325	HUMAN ANATOMY	4 [L1]	
BIOL 2420	HUMAN PHYSIOLOGY	4	
BIOL 3210	GENERAL & PATHOGENIC MICROBIOLOGY	3	
BIOL 3310	COMP VERTEBRATE MORPHOLOGY	3	
BIOL 3320	COMPARATIVE PHYSIOLOGY	3	
BIOL 3325	COMPARATIVE PHYSIOLOGY LAB	3 [L2]	
BIOL 3330	BEHAVIORAL NEUROBIOLOGY	3	
BIOL 3360	VERTEBRATE EMBRYOLOGY	3	
BIOL 3380	EVOL & PHYSIOL BASIS OF HEALTH	3	
BIOL 5030	BASIC IMMUNOLOGY	3	
BIOL 5140	GENOME BIOLOGY	3	
BIOL 5315	ADVANCED HUMAN ANATOMY	3 [L1]	
BIOL 5370	MAMMALOLOGY	3	
NOTES			

**BIOLOGY LABORATORY COURSES**  
**BIOLOGY MAJORS MUST COMPLETE AT LEAST 4 APPROVED BIOLOGY LAB COURSES THAT TOTAL 5 LAB UNITS**  
**\*WE WILL ONLY ACCEPT UP TO 2 TRANSFER BIOLOGY LABS WITH ADVISOR APPROVAL\***

COURSE	TITLE	LAB UNITS	TAKING WHEN
NOTES			

Use this sheet with your Degree Dashboard to schedule your courses in a logical and functional sequence. YOU are responsible for ensuring that ALL requirements are met for the major AND that you have fulfilled ALL university requirements. Pay special attention when repeating courses and class time conflicts.

Students must complete a minimum of 40 upper division hours (3000+)

Students must complete a minimum of 72 Science hours

Students must complete a minimum of 36 Biology credit hours & 21 Biology residency hours that must be taken at the U