

**BSc BIOLOGY: DEGREE REQUIREMENTS FOR 2022-2023**  
**PROGRAM TOTAL CREDITS REQUIRED: 120 / MINIMUM CGPA FOR CONFERRAL: 2.00**

	CR REQ	CRS PFX	CRS #	GR	CR
<b>MAJOR REQUIREMENTS - MINIMUM GRADE: C - MINIMUM GPA FOR CONFERRAL: 2.30</b>					
Introductory Biology (Lab Course)	3	BIOL	119		
Biological Diversity (Lab Course)	3	BIOL	120		
Principles of Ecology (Lab Course)	3	BIOL	230		
Heredity (Lab Course)	3	BIOL	277		
Animal Physiology (Lab Course)	3	BIOL	364		
Plant Physiology (Lab Course)	3	BIOL	365		
Cellular Biology (Lab Course)	3	BIOL	374		
Introduction to Research	3	BIOL	391		
Speciation	3	BIOL	424		
<b>FROM THE FOLLOWING (BIOL &gt;299)</b>	15				
Conservation Biology		BIOL	318		
Boreal Ecology		BIOL	320		
Vertebrate Biology (Lab Course)		BIOL	327		
Histology (Lab Course)		BIOL	340		
Invertebrate Biology (Lab Course)		BIOL	350		
Tropical Field Biology (Lab Course)		BIOL	360		
Coastal Field Biology		BIOL	362		
Northern Field Biology		BIOL	367		
Developmental Biology (Lab Course)		BIOL	375		
Immunology (Lab Course)		BIOL	410		
Flora and Fauna (Lab Course)		BIOL	415		
Biogeography		BIOL	425		
Protected Area Management		BIOL	430		
Virology		BIOL	435		
Co-operative Research (up to 15 credits)**		BIOL	475		
Biological Research (1)		BIOL	490		
Seminar in Biological Sciences (1)		BIOL	496		
Other BIOL 3xx, 4xx					
<b>TOTAL</b>	<b>42</b>				

<b>COGNATE REQUIREMENTS - MINIMUM GRADE: D</b>					
Introductory University Chemistry I (Lab Course)	3	CHEM	111		
Introductory University Chemistry II (Lab Course)	3	CHEM	112		
Organic Chemistry I (Lab Course)	3	CHEM	241		
Organic Chemistry II (Lab Course)	3	CHEM	242		
General Physics I (Lab Course)	3	PHYS	111		
General Physics II (Lab Course)	3	PHYS	112		
<b>1 OF THE FOLLOWING</b>	3				
Biochemical Molecules (Lab Course)		BCHM	310		
Biochemical Processes (Lab Course)		BCHM	315		
<b>1 OF THE FOLLOWING</b>	3				
Elementary Calculus I (recommended)		MATH	161		
Introduction to Statistics		MATH	240		
<b>TOTAL</b>	<b>24</b>				

<b>BREADTH REQUIREMENTS* - MINIMUM GRADE: D</b>					
<b>RELIGIOUS STUDIES</b>		9			
RELB, RELG, RELH, RELT course >299 (3)		REL_			
RELB, RELG, RELH, RELT courses (6)					
1)		REL_			
2)		REL_			
<b>HUMANITIES</b>		6			
<i>No more than 3 credits with the same prefix</i> Select from: ARTH, ENGL 201, 202, 203, 275, MUHL 165, PHIL					
1)					
2)					
<b>SOCIAL SCIENCES</b>		6			
Select from: ANTH, ECON, HIST, INTL, PLSC, PSYC, SOCI					
1)					
2)					
<b>SCIENCES</b>		3			
Select from: HLED, ODP, OPAT, PEAC, PETH, SCNC					
<b>TOTAL</b>		<b>24</b>			

<b>ELECTIVES - MINIMUM GRADE: D</b>					
General Electives >299	6				
General Electives >199	18				
General Electives	6				
<b>TOTAL</b>	<b>30</b>				

\* Scholars Program replaces Breadth Requirements. See Scholars Advisor for details.

\*\* Successful completion of both the BSC BIOL degree and a co-op/internship work assignment may lead to temporary or permanent federal public service positions if the student meets the merit criteria and conditions of employment. (For Co-operative Research Internship consult with department.)