

**BSc (3-YEAR) BIOLOGY: DEGREE REQUIREMENTS FOR 2020-2021**  
**PROGRAM TOTAL CREDITS REQUIRED: 90 / MINIMUM CGPA FOR CONFERRAL: 2.00**

	CR REQ	CRS PFX	CRS #	GR	CR		CR REQ	CRS PFX	CRS #	GR	CR
<b>CONCENTRATION REQUIREMENTS - MINIMUM GRADE: C - MINIMUM GPA FOR CONFERRAL: 2.30</b>						<b>BREADTH REQUIREMENTS* - MINIMUM GRADE: D</b>					
Introductory Biology (Lab Course)	3	BIOL	119			<b>RELIGIOUS STUDIES</b>	6				
Biological Diversity (Lab Course)	3	BIOL	120			RELB, RELG, RELH, RELT course >299 (3)		REL_			
Principles of Ecology (Lab Course)	3	BIOL	230			RELB, RELG, RELH, RELT course (3)		REL_			
Heredity (Lab Course)	3	BIOL	277								
Cellular Biology (Lab Course)	3	BIOL	374			<b>HUMANITIES</b>	6				
Speciation	3	BIOL	424			<i>No more than 3 credits from any one discipline</i>					
						Select from: ARTH, ENGL 201, 202, 203, 212, 275, 295, 330, 460, MUHL 165, PHIL					
<b>1 OF THE FOLLOWING:</b>	3					1)					
Animal Physiology (Lab Course)		BIOL	364			2)					
Plant Physiology (Lab Course)		BIOL	365								
						<b>SOCIAL SCIENCES</b>	6				
<b>FROM THE FOLLOWING (BIOL &gt;299)</b>	15					Select from: ANTH, ECON, HIST, INTL, PLSC, PSYC, SOCI					
Conservation Biology		BIOL	318			1)					
Boreal Ecology		BIOL	320			2)					
Vertebrate Biology (Lab Course)		BIOL	327								
Histology (Lab Course)		BIOL	340			<b>SCIENCES</b>	3				
Invertebrate Biology (Lab Course)		BIOL	350			Select from: HLED, ODP, ODP, ODP, PEAC, PETH, PHYS, SCNC					
Tropical Field Biology (Lab Course)		BIOL	360								
Northern Field Biology		BIOL	367								
Developmental Biology (Lab Course)		BIOL	375			<b>TOTAL</b>	<b>21</b>				
Introduction to Research		BIOL	391								
Immunology (Lab Course)		BIOL	410			<b>ELECTIVES - MINIMUM GRADE: D</b>					
Flora and Fauna of Alberta (Lab Course)		BIOL	415			General Electives >199	6				
Biogeography		BIOL	425								
Virology		BIOL	435			General Electives	12				
Biological Research (1)		BIOL	490								
Seminar in Biological Sciences (1)		BIOL	496								
Other BIOL 3xx, 4xx											
						<b>TOTAL</b>	<b>18</b>				
<b>TOTAL</b>	<b>36</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								
<b>1 OF THE FOLLOWING</b>	3										
Elementary Calculus I		MATH	161								
Introduction to Statistics		MATH	240								
<b>TOTAL</b>	<b>15</b>										

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

# BIOLOGY

## BIOLOGY - BSc (THREE-YEAR)

The three-year Bachelor of Science degree with a concentration in Biology is designed to be a terminal degree. Graduates will be able to meet the requirements and pass admission exams (e.g. MCAT, DAT) for professional schools (e.g. medicine, dentistry, etc.).

Alternatively, students will be prepared for entry-level placements.

### Notes:

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### RECOMMENDED COURSE SEQUENCE\*\*

#### BSc (3-YEAR) BIOLOGY

PR	Year 1, Fall	Cr	PR	Year 1, Winter	Cr
CN	BIOL 119	3	CN	BIOL 120	3
CG	CHEM 111	3	CG	CHEM 112	3
BR	Breadth Requirement	3	BR	Breadth Requirement	3
BR	Breadth Requirement	3	BR	Breadth Requirement	3
BR	Breadth Requirement	3	BR	Breadth Requirement	3
		<b>15</b>			<b>15</b>

PR	Year 2, Fall	Cr	PR	Year 2, Winter	Cr
CN	BIOL 230	3	CN	BIOL 277	3
CN	BIOL >299	3	CN	BIOL >299	6
CG	CHEM 241	3	CG/ CN	MATH 240/BIOL >299*	3
EL	Elective >199	6	CG	CHEM 242	3
		<b>15</b>			<b>15</b>

PR	Year 3, Fall	Cr	PR	Year 3, Winter	Cr
CN	BIOL 364 or BIOL >299	3	CN	BIOL 365 or BIOL >299	3
CN	BIOL 374	3	BR	Breadth Requirement	3
CN	BIOL 424	3	EL	Electives	9
CG/ CN	MATH 161/ BIOL >299*	3			<b>15</b>
EL	Elective	3			
		<b>15</b>			

\* Must take MATH 161 or MATH 240.

\*\* Students admitted to the Burman University Scholars program must see the Scholars advisor for course sequence.