

BSc BIOLOGY - ENVIRONMENTAL SCIENCE TRACK: DEGREE REQUIREMENTS FOR 2020-2021
PROGRAM TOTAL CREDITS REQUIRED: 120 / MINIMUM CGPA FOR CONFERRAL: 2.00

	CR REQ	CRS PFX	CRS #	GR	CR
MAJOR REQUIREMENTS - MINIMUM GRADE: C - MINIMUM GPA FOR CONFERRAL: 2.30					
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		
Environmental Issues: Problems and Potential Solutions	3	BIOL	235		
Animal Physiology (Lab Course)	3	BIOL	364		
Plant Physiology (Lab Course)	3	BIOL	365		
Introduction to Research	3	BIOL	391		
Speciation	3	BIOL	424		
Biological Research	1	BIOL	490		
FROM THE FOLLOWING:	9				
Conservation Biology		BIOL	318		
Boreal Ecology		BIOL	320		
Flora and Fauna (Lab Course)		BIOL	415		
Biogeography		BIOL	425		
Protected Area Management		BIOL	430		
1 OF THE FOLLOWING:	3				
Tropical Field Biology (Lab Course)		BIOL	360		
Coastal Field Biology		BIOL	362		
Northern Field Biology		BIOL	367		
FROM THE FOLLOWING (BIOL >299)	11				
Vertebrate Biology (Lab Course)		BIOL	327		
Histology (Lab Course)		BIOL	340		
Invertebrate Biology (Lab Course)		BIOL	350		
Cellular Biology (Lab Course)		BIOL	374		
Developmental Biology (Lab Course)		BIOL	375		
Immunology (Lab Course)		BIOL	410		
Virology		BIOL	435		
Biological Research (1)		BIOL	490		
Seminar in Biological Sciences (1)		BIOL	496		
Other BIOL 3xx, 4xx					
TOTAL	51				

COGNATE REQUIREMENTS - MINIMUM GRADE: D					
Biochemical Molecules (Lab Course)	3	BCHM	310		
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		
Introduction to Statistics	3	MATH	240		
Environmental Ethics	3	SCNC	230		
3 CREDITS FROM THE FOLLOWING:	3				
Backpacking		OPAT	210		
Winter Camping		OPAT	255		
Environmental and Nature Study		ODPU	230		

	CR REQ	CRS PFX	CRS #	GR	CR
COGNATE REQUIREMENTS (CONTINUED) - MINIMUM GRADE: D					
3 CREDITS FROM THE FOLLOWING:	3				
Introduction to Microeconomics		ECON	101		
Introductory Geography		GEOG	110		
Introduction to Physical Geography		GEOG	210		
Principles of Environmental Health		HLED	401		
TOTAL	24				

BREADTH REQUIREMENTS* - MINIMUM GRADE: D					
RELIGIOUS STUDIES	9				
RELB, RELG, RELH, RELT course >299 (3)		REL_			
RELB, RELG, RELH, RELT courses (6)					
1)		REL_			
2)		REL_			
HUMANITIES	6				
<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					
1)					
2)					
SOCIAL SCIENCES	6				
Select from: ANTH, ECON, HIST, INTL, PLSC, PSYC, SOCI					
1)					
2)					
SCIENCES	3				
Select from: HLED, ODPU, OPAT, PEAC, PETH, SCNC					
TOTAL	24				

ELECTIVES - MINIMUM GRADE: D					
General Electives >199	9				
General Electives	12				
Wilderness Survival (1.5) (recommended)		OPAT	254		
Wilderness Navigation (1.5) (recommended)		OPAT	256		
TOTAL	21				

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

BIOLOGY

BIOLOGY - BSc

ENVIRONMENTAL SCIENCE TRACK

The major in Biology is designed to provide students with an introduction to the various subdisciplines of Biology. It prepares students for entrance into graduate school. It also provides students with the opportunity to prepare for medicine, dentistry, and other health professions.

Notes:

RECOMMENDED COURSE SEQUENCE*

BSc BIOLOGY: ENVIRONMENTAL SCIENCE TRACK

PR	Year 1, Fall	Cr	PR	Year 1, Winter	Cr
MJ	BIOL 119	3	MJ	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
		15			15

PR	Year 2, Fall	Cr	PR	Year 2, Winter	Cr
MJ	BIOL 230	3	MJ	BIOL 277	3
CG	CHEM 241	3	MJ	BIOL 235	3
BR	Breadth Requirement	3	MJ	BIOL >299	3
EL	Electives	6	CG	One of ECON 101, GEOG 110, GEOG 210, HLED 401	3
		15	CG	MATH 240	3
					15

PR	Year 3, Fall	Cr	PR	Year 3, Winter	Cr
MJ	BIOL 364	3	MJ	BIOL 365	3
MJ	One of BIOL 318, 320, 415, 425, 430	3	MJ	BIOL >299	5
MJ	BIOL 391	3	BR	Breadth Requirement	3
MJ	One of BIOL 360, 362, 367	3	EL	Elective	3
EL	Elective	3			14
		15			

PR	Year 4, Fall	Cr	PR	Year 4, Winter	Cr
MJ	BIOL 424	3	MJ	Two of BIOL 318, 320, 415, 425, 430	6
MJ	BIOL 490	1	MJ	BIOL >299	3
CG	BCHM 310	3	EL	Electives >199	6
CG	SCNC 230	3			15
CG	ODPU 230 or OPAT 210 and 255	3			
EL	Elective >199	3			
		16			

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