Bachelor of Science in Biology -- 120 Credits

JBIOL-BS (RG 7612)

GENERAL EDUCATION REQUIREMENTS

REQUIRED COURSES (RG 6813)

Foundational Courses			Satisfie	ed/Term		
Engcmp 0003 or 0005						
Engcmp 0004 or	0006	3				
CommRc 0052	Public Speaking	3				
Basic Algebra or Placement Test						
Math 0001	Algebra 1	3				
Quantitative Reasoning (QR) - 1 Course						
Note - a student cannot test out of their QR requirement.						
		3				

FREE ELECTIVES

Free electives are the balance of credits required for	or		
graduation (120) that are not used to satisfy comp	etenci	es,	
knowledge areas, major requirements, electives, o	r any		
related area required by the department.			
	CR	Satisfie	ed/Term

WORLDS OF KNOWLEDGE (RG 6825)

Aesthetic and Creative Expression					
Subject	Number	Course Title	CR	Satisfie	ed/Term
			3		
			3		

Olobai Tilotoi	a Guitare					
Subject	Number	Course Title	CR	Satisfied/Term		
			3			
			3			

Societies & Civics						
Subject	Number	Course Title	CR	Satisfie	d/Term	
			3			
			3			

Science & Nature					
Subject	Number	Course Title	CR	Satisfie	ed/Term
Chem	0111	General Chemistry 1	3		
Math	0221	Analytic Geom & Calc 1	4		

Upper Level Interdiscip. Science Elective elect one course from the following courses

Intro to Invert Paleo

Comparative Psych

Health Psychology

Physiological Psych

Advanced Seminar

Psych Learning & Lab

Chem 1321 Biochemistry 1

Geol 1061 Geomorphology *

Geol 1106 Hydrogeology *

Geol 1139 Geology of Soils *

Math 0231 Calculus 2 Phys 0142/0143 Intro Physics 2 & lab Phys 0152/0153 Physics 2 & lab

Requirement Satisfied

Geol 1202

Psy 0211

Psy 1216

Psy 1440

Psy 1500

Psy 1650

rereqs must be fulfilled (* Prereq may be waived) CR Satisfied/Ter

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Follow-Up Courses							
Subject	Number	Course Title	CR	Satisfied/Term			
Chem	0112	General Chemistry 2	3				
Phys			4				

Each student must take 2 courses in each World of Knowledge. The 8 courses taken in the Worlds must represent 8 different Subjects. A student must take two additional "Follow-Up" courses in any World.

>The minimum number of courses taken in the Worlds must be 10.

>The Follow-Up courses may repeat a subject previously taken in a World.

A student cannot use a major required Subject course in one of the Worlds.

>For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.

>Students cannot use a course to count both in their QR requirement and one of the Worlds.

Students can choose QR and Worlds of Knowledge courses from published course lists.

MAJOR REQUIREMENTS (RG 7612)

(RQ 3741)

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Required C	ourses	CR	Satisfied/Term		
Biol 0130	Biol Freshman Seminar	1			
Biol 0110	General Biology 1	3			
Biol 0111	General Biology 1 Lab	1			
Biol 0120	General Biology 2	3			
Biol 0121	General Biology 2 Lab	1			
Biol 0340	Ecology	3			
Biol 0360	Cell Biology	3			
Biol 0361	Cell Biology Lab	1			
Requireme	nt Satisfied	16			

(RQ 3742)

Required Chemistry		CR	Satisfie	d/Term
Chem 0111	General Chemistry 1	3		
Chem 0113	General Chemistry 1 Lab	1		
Chem 0112	General Chemistry 2	3		
Chem 0114	General Chemistry 2 Lab	1		
Requirement Satisfied				

(RQ 3743)

Required Math		CR	Satisfie	d/Term
Math 0221	Analytic Geom & Calc 1	4		
Requiremen	nt Satisfied	4		

(RQ 3745)

Required Up	Required Upper Level Chem Options			d/Term
Chem 0231	Organic Chemistry 1	3		
Chem 0233	Organic Chemistry 1 Lab	1		
Chem 0232	Organic Chemistry 2	3		
Chem 0234	Organic Chemistry 2 Lab	1		
OR				
Chem 0230	Fund of Organic Chem	4		
Chem 0235	Fund of Organic Chem Lab	1		
Chem 0325	Analytical Chemistry	4		
Poquiromon	Paguirament Satisfied 8 or 0			

(RQ 3746)

Required Physics options		Satisfie	d/Term
Phys 0140 Intro to Physics 1			
or Phys 0150 Physics 1			
Phys 0141 Experimental Physics 1			
or Phys 0151 Physics 1 Lab	1		
Requirement Satisfied	5		

(RQ 3903)

Molecular Elective	CR	Satisfied	d/Term
ourse from the following courses			
Genetics	3		
Molecular Genetics (C)	3		
Cancer Biology	3		
Immunology	3		
Developmental Biology (C)	3		
Microbiology	3		
Special Topics - C & M	3		
t Satisfied	3		
	Genetics Molecular Genetics (C) Cancer Biology Immunology Developmental Biology (C) Microbiology Special Topics - C & M	Genetics 3	Genetics 3

Organisma	I Elective	CR	Satisfie	d/Term
Select one	course from the following courses			
Biol 1122	Vertebrate Anatomy	3		
Biol 1130	Biology of Plants	3		
Biol 1144	Invertebrate Biology	3		
Biol 1224	Animal Physiology	3		
Biol 1269	Vertebrate Biology	3		
Biol 1274	Ornithology	3		
Biol 1280	Special Topics - Org	3		
Requiremen	nt Satisfied	3		

Ecology and	Evolution Elective	CR	Satisfied	/Term
Select one of	ourse from the following courses			
Biol 1110	Biodiver Conservation (C)	3		
Biol 1162	Plant Diversity and Local Flora	3		
Biol 1165	Evolution	3		
Biol 1197	Ecol of Infect Disease (C)	3		
Biol 1220	Wildlife Management	3		
Biol 1232	Animal Behavior	3		
Biol 1280	Special Topics - E & E	3		
Biol 1520	Aquatic Ecology (C)	3		
Requiremen	t Satisfied	3		

Biol Lab Requirement, Minimum 2 labs	CR	Satisfied/Term	
Requirement Satisfied			

Additional Biol Electives to Min. 17cr	CR	Satisfied/Term	
Requirement Satisfied			

Capstone E	Experience	•	CR	R Satisfied/Term	
Minimum 1 credit, Included as Biol Elective Credit					
Biol 1200	Independent Study				
Biol 1161	Internship				
Biol	Capstone Lab				
Biol	Capstone Course				
Requirement Satisfied					

Major GPA (RG 3747)

Residency (RG 3748)

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.