

# BIOLOGY BS – Quantitative Track (127 hrs.) Effective 2021

NAME	PID	Optional 2 <sup>nd</sup> Major or Minor
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## FOUNDATIONS

English Comp. and Rhetoric	Foreign Language*		Quant. Reas. (QR)	Lifetime Fitness (LFIT)
	1.	3.	MATH 231	(1 hr)
	2.	4.		

\* Through Level 3

## APPROACHES

Phys. and Life Sciences (PL/PX) **	Social and Behavioral Sciences***	Humanities/Fine Arts
BIOL 101	Hist. Analysis (HS):	Vis. & Perf. Arts (VP):
BIOL 101L	Soc.Sci./Hist. Analysis (SS/HS):	Literary Arts (LA):
CHEM 101	Soc.Sci./Hist. Analysis (SS/HS):	Phil. Reasoning (PH):
CHEM 101L		

\*\*C or better in BIOL 101 and CHEM 101 or CHEM 102 before taking BIOL 201 or 202 \*\*\*From at least two departments

## CONNECTIONS

Communication Int. (CI)	Quant. Int. (QI) or 2 <sup>nd</sup> Quant. Reas. (QR)	Experiential Ed. (EE)	Global Issues (GL)
BIOL 101L	MATH 232		
US Diversity (US)	North Atlantic World (NA)	World before 1750 (WB)	Beyond the NA (BN)

## MAJOR/MINOR/ELECTIVES

BIOLOGY ♦ Major Core (8 courses)	ALLIED SCIENCES † (9 courses)	Additional Requirements			
BIOL 201 (4) (QI)	PHYS 104, 114, 116, or 118 (4)	BIOL 101** BIOL 101L			
BIOL 202 (4)	PHYS 105, 115, 117, or 119 (4)	CHEM 101** CHEM 101L			
BIOL 205 (4) (prereq: C- or better in BIOL 202)	CHEM 102**	MATH 231			
w/Lab (#) (4)	CHEM 102L	MATH 232			
	CHEM 261	<b>♦ 2.0 OR HIGHER GPA REQUIRED IN MAJOR AND MINOR CORE COURSES</b> (does not include BIOL 101/L or Allied Sciences).			
w/Lab (#) (4)	COMP 110, 116, 401 or BIOL 222	(#)Two lab courses. One must be quantitative lab chosen from BIOL224H/224L, 226/226L 525/525L*, 526, 527/527L or 528/528L, or 553/553L. The other can be any biology lab course, including two semesters of BIOL 395. BIOL 395 can be taken up to six credit hours. (##) A choice of three biology electives (each of 3 or more credits) including two quantitative electives, chosen from BIOL 214H, 224H, 226, 431, 454, 465, 525, 526, 527, 528, 534, 542, 551, 553, 554 ( <b>beginning Fall 2020</b> ), 562, 563, 642, Comp 555, Phys 405, Math 553/L, and Math 564. The third elective may be any course approved for the biology major. A total of six hours from BIOL 395 and/or 692H count as a laboratory course requirement. One additional elective may consist of a total of three hours of courses numbered above 600 (not including BIOL 692H). † A choice of two allied sciences electives from list of approved Allied Science courses on reverse of worksheet. Students are expected to take courses that are each three or more credit hours for this requirement. Pre-med students are encouraged to take CHEM 241/241L and CHEM 262/262L.			
Quantitative (##) (3)	STOR 120, 151, 155, or BIOS 600				
Quantitative (##) (3)	†				
(##)	†				

*No course can meet more than one major requirement. BIOL 213, 253, 291, 292, 293, 294, 296, 353, and 495 may NOT be used in the major.*

Remaining courses after this term:	Hours to be deducted:	Hours Tally:	Notes:
___ Foundations	Repeated courses	Hours to date:	
___ Approaches	HSFL	Hours in progress	
___ Connections	Online courses > 24	Pending Study Abroad*	
___ Supplemental	Other	Subtotal	
___	Professional School > 30	Hours deducted	
___	Hours in subject (BA) > 45	Hours after this term	
___	Total	Hours remaining to grad	
___ Requirements subtotal		Semesters left	
___			
___ <b>Total</b>			

*\*Pending study abroad hours may differ from hours earned.*

**This tally assumes successful completion of presently enrolled courses (not AB or IN), and it does not account for all possible overlaps**

## Allied Science Electives

### **Anthropology**

143 Human Evolution and Adaptation  
148 Human Origins  
298 Biological Anthropology Theory and Practice  
315 Human Genetics and Evolution  
318 Human Growth and Development  
412 Paleoanthropology  
414 Laboratory Methods: Human Osteology  
415 Laboratory Methods: Zooarchaeology  
416 Bioarcheology  
470 Medicine and Anthropology  
623 Human Disease Ecology

### **Biology**

Any course above BIOL 101, except  
BIOL 213, 291, 292, 294, 296, and 495

### **Biomedical Engineering**

335 Biomaterials

### **Biostatistics**

Any course

### **Chemistry**

Any course above CHEM 101

### **Computer Science**

Any course above COMP 100 except COMP 380

### **Environ. Studies - ENEC, formerly ECOL/ ENST**

202 Intro to the Environmental Sciences  
256 Mountain Biodiversity  
403 Envr Chem Processes  
406 Atmospheric Processes II  
410 Earth Processes in Envr. Sys.  
411 Oceanic Processes  
415 Environmental Systems Modeling  
471 Human Estuarine Impacts  
489 Ecological Processes.

### **Exercise and Sports Science**

175 Anatomy  
276 Physiology

### **Geography**

110 The Blue Planet: Intro to Earth Envr Sys  
111 Weather and Climate  
212 Environmental Conservation  
222 Health and Medical Geography  
253 Intro to Atmospheric Processes

### **Geology**

Any courses above GEOL 100

### **Marine Sciences**

Any course above MASC 100

### **Mathematics**

Any course above MATH 110, except MATH  
129P

### **Microbiology**

251 Elementary Medical Microbiology

### **Neuroscience (NSCI)**

175 Introduction to Neuroscience  
222 Learning  
225 Sensation and Perception  
401 Animal Behavior  
403 Advanced Biopsychology Laboratory

### **Nutrition**

240 Introduction to Human Nutrition

### **Philosophy**

155 Introductory Symbolic Logic

### **Physics and Astronomy**

Any course above PHYS 99 or ASTR 99,  
except PHYS 132

### **Psychology**

101 General Psychology  
210 Statistical Principles of Psyc. Research  
Biopsychology  
230 Cognitive Psychology

### **Statistics and Operations Research**

Any course above STOR 151

### **Speech and Hearing Sciences**

570 Anatomy and Physiology of Speech,  
Language, and Hearing Mechanisms