

## BIOLOGY BS – Quantitative Track (127 hrs.) Effective 2013-2014

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

### FOUNDATIONS

English Comp. and Rhetoric	Foreign Language* HSFL(s)	Quant. Reas. (QR)	Lifetime Fitness (LFIT)
	1.	3.	(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			
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) (202 prereq.)	CHEM 102** CHEM 102L				
BIOL452/452L*, 525/525L*, 526, 527/527L or 528 (4) (#)	CHEM 261	♦ 18 hours ≥ C (not C-) required (does not include BIOL 101/L or Allied Sciences). (#) Two lab courses. One must be quantitative lab chosen from BIOL 452/452L*, 525/525L*, 526, 527/527L or 528. The other can be any biology lab course, including two semesters of BIOL 395. 395 can be taken up to six credit hours. (##) A choice of three biology electives including two quantitative electives. The two quantitative electives must be chosen from BIOL 431, 452/452L*, 454, 465, 525/525L*, 526, 527/527L, 528, 542, 551, 562, 563, or 642. The third elective may be any course approved for the biology major. A total of six hours from BIOL 295, 395, and/or 691H count as a laboratory course requirement. *Prior to Fall 2015, labs were embedded with lecture and not registered for separately. † A choice of two allied science electives (not including BIOL 213, 291, 292, 294, 296, and 495) 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.			
w/Lab (#) (4)	MATH 233				
Quantitative (##) (3)					
Quantitative (##) (3)	†				
(##)	†				

***No course can be used to meet more than one major core requirement.***

<b>Date/Advisor:</b>			
<b>Remaining courses after this term:</b>	<b>Hours to be deducted:</b>	<b>Hours Tally:</b>	<b>Notes:</b>
___ Foundations _____	Repeated courses _____	Hours to date: _____	
___ Approaches _____	HSFL _____	Hours in progress*: _____	
___ Connections _____	Online courses > 24 _____	Subtotal _____	
___ Supplemental _____	Online in Major/minor > 6 _____	Hours deducted _____	
___ (hrs C _____) _____	Professional School > 24 _____	Hours after this term _____	
___ (hrs C _____) _____	Hours in subject (BA) > 45 _____	Hours remaining to grad _____	
___ (hrs C _____) _____	Total _____	Semesters left _____	
___ Requirements subtotal _____			
___ Total _____			
		*Include pending study abroad hours	

**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  
315 Human Genetics and Evolution  
317 Evolutionary Perspectives on Human  
Adaptation and Behavior  
† 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**

510 Biomaterials

### **Biostatistics**

Any course

### **Chemistry**

Any course above CHEM 101

### **Computer Science**

Any course above COMP 101 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  
112 Environmental Conservation  
253 Intro to Atmospheric Processes  
445 Medical Geography

### **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  
255 Elementary Pathogenic Microbiology

### **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

### **Physiology**

202 Introduction to Physiology

### **Psychology**

101 General Psychology  
210 Statistical Principles of Psc. Research  
220 Biopsychology  
222 Learning  
225 Sensation and Perception  
230 Cognitive Psychology  
400 Conditioning and Learning  
401 Animal Behavior  
402 Advanced Biopsychology  
403 Advanced Biopsychology Laboratory

### **Statistics and Operations Research**

Any course above STOR 151

### **Speech and Hearing Sciences**

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

† Students under 2013 curriculum may need to have the Biology Department  
Director of Undergraduate Studies approve these courses