

# BIOLOGY BS – Quantitative Track (127 hrs.) Effective 2017

NAME	PID	Optional 2 <sup>nd</sup> Major or Minor
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## 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	MATH 232 or 283		
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**	MATH 231 or 241			
w/Lab (#) (4)	CHEM 102L	MATH 232 or 283			
	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 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. 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, 562, 563, or 642. 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. <b>BIOL 213, 253, 253L, 291, 292, 293, 294, 296, 353, and 495 may NOT be used in the major.</b> <b>No course can be used to meet more than one major core requirement.</b>			
	COMP 110, 116, or 401 (4)				
w/Lab (#) (4)	MATH 233				
Quantitative (##) (3)	STOR 155 or BIOS 600				
Quantitative (##) (3)	†				
(##)	†				

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 _____	
___ (hrs C _____) _____	Professional School > 30 _____	Hours deducted _____	
___ (hrs C _____) _____	Hours in subject (BA) > 45 _____	Hours after this term _____	
___ (hrs C _____) _____	Total _____	Hours remaining to grad _____	
___ Requirements subtotal _____		Semesters left _____	
___ Total _____			
		*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
- 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 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
- 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

### **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**

- 292 Introduction to Physiology (202 before Fall 2016)

### **Psychology**

- 101 General Psychology
- 210 Statistical Principles of Psyc. Research
- 220 Biopsychology
- 222 Learning
- 225 Sensation and Perception
- 230 Cognitive Psychology
- † 315 Introduction to Neuroscience
- 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 2015 or earlier curricula may need to have the Biology Department Director of Undergraduate Studies approve this course.