

**BIOLOGY BS (123 hrs)**

**Effective 2013-2016**

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

English Comp. and Rhetoric	Foreign Language* HSFL(s) _____	Quant. Reas. (QR)	Lifetime Fitness (LFIT)
	1.	3.	MATH 231 or 241  (1 hr)
	2.	4.	

\* Through Level 3

**APPROACHES**

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

\*\* 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)

\*\*\*\* Must choose from MATH 232 or 283; COMP 110 or 116; STOR 155 or 215.

**MAJOR/MINOR/ELECTIVES**

BIOLOGY ♦ Major Core (8 courses)	ALLIED SCIENCES † (8 courses)	Additional Requirements			
BIOL 201 (4) (QI)	PHYS 104, 114, 116 or 118 (4)	BIOL 101** BIOL 101L			
BIOL 202 (4)	PHYS 104, 114, 117, or 119 (4)	CHEM 101** CHEM 101L			
BIOL 205 (4) (202 prereq.)	CHEM 102** CHEM 102L	MATH 231 or 241			
Organismal w/ lab (#,###) (4)	CHEM 241 CHEM 241L	One of MATH 232 or 283; COMP 110 or 116; STOR 155 or 215			
w/lab (##, ###) (4)	CHEM 261				
w/lab (##, ###) (4)	CHEM 262 CHEM 262L	♦ 18 hours ≥ C (not C-) required (does not include BIOL 101/L or Allied Sciences). † See 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. (#) Organismal Structure and Diversity course chosen from 271/271L*, 272, 273, 274/274L*, 277/277L, 278/278L, 279/279L, 471/471L, 472, 473/473L, 474/474L, 475, 476/476L, 478, 479/479L or 579. Must take lab to count as organismal. *Prior to Fall 2015, labs were embedded with lecture and not registered for separately. (##) Four BIOL electives above 205, at least two with labs. BIOL 213, 253, 253L, 291, 292, 293, 294, 296, 353 and 495 may not be used. 3 credit-hours of BIOL 395 or BIOL 295 may count as one non-lab course. A total of six hours from BIOL 295, 395, and/or 692H count as a laboratory course requirement. 395 can be taken up to six credit hours. One additional elective may consist of a total of three hours of courses numbered above 600 (not including BIOL 692H). (###) Two courses must be > 400 (not including 501 or 692H).			
(##,###)	†				
(##,###)	†				

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 _____	
___ <b>Total</b> _____			
		<i>*Pending study abroad hours may differ from hours earned.</i>	

**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
- 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 (292 in Fall 2016)

### **Psychology**

- 101 General Psychology
  - 210 Statistical Principles of Psyc. Research
  - 220 Biopsychology
  - 222 Learning
  - 225 Sensation and Perception
  - 230 Cognitive Psychology
  - θ 315 Introduction to Neuroscience
  - 400 Conditioning and Learning
  - 401 Animal Behavior
  - 402 Advanced Biopsychology
  - 403 Advanced Biopsycology 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.

θ Students under 2015 or earlier curricula may need to have the Biology Department Director of Undergraduate Studies approve these courses.