BIOLOGY BS – Quantitative Track (127 hrs.) Effective 2019-2020

NAME	PID	Optional 2nd Major or Minor

FOUNDATIONS

MATH PL

English Comp. and Rhetoric	Foreign Language*		Quant. Reas. (QR)	Lifetime Fitness (LFIT)
ENGL 105	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 2nd 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	Optional Minor	Electives/Minor	Electives
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** CHEM 102L	MATH 231			
w/Lab (#) (4)	CHEM 261	MATH 232			
w/Lab (#) (4)	COMP 110, 116, or 401 (4)				
Quantitative (##) (3)	MATH 233				
Quantitative (##) (3)	STOR 155 or BIOS 600				
(##)	†				
	†				

♦ 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. BIOL395 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 (**beginning Fall 2020**), 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.
BIOL 213, 253, 291, 292, 293, 294, 296, 353, and 495 may NOT be used in the major.
No course can be used to meet more than one major core requirement.

Remaining courses after this term:

____	Foundations	_____
____	Approaches	_____
____	Connections	_____
____	Supplemental	_____
____	(hrs C____)	_____
____	(hrs C____)	_____
____	Minor (hrs C____)	_____
	Requirements subtotal	0
____	Electives/Other	_____
	Total	0

Hours to be deducted:

Repeated courses	_____
HSFL	_____
Online courses > 24	_____
Other	_____
Professional School > 30	_____
Hours in subject (BA) > 45	_____
Total	0

Hours Tally:

Hours to date:	
Hours in progress	_____
Pending Study Abroad*	_____
Subtotal	_____
Hours deducted	0
Hours after this term	0
Hours remaining to grad	0
Semesters left	_____

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

Notes:

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

May 8, 2020

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
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

Physiology
292 Introduction to Physiology (202 before Fall 2016)

Psychology
101 General Psychology
210 Statistical Principles of Psyc. Research
220 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