

BIOLOGY BS – Quantitative Track (127 hrs.) Effective 2017-2018		
NAME	PID	Optional 2 nd 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 nd 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) (prereq: C- or better in BIOL 202)	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.			
w/Lab (#) (4)	COMP 110, 116, or 401 (4)	(##) 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).			
Quantitative (##) (3)	MATH 233	† 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 155 or BIOS 600	BIOL 213, 253, 253L, 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:	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.