

Degree Guide for the College of Arts and Sciences: 2017-2018

BIOLOGY & CHEMISTRY MINORS

MINOR in BIOLOGY: 28 Credits

Lower Division

Course	Course Title	Credits	Grade
BIOL	105 Info Flow in Biological Systems	3	
BIOL	105L Info Flow in Biological Systems Lab	1	
BIOL	106 Energy Flow in Biological Systems	3	
BIOL	205 Physiology & Biodiversity	3	
BIOL	205L Physiology & Biodiversity Lab	1	
BIOL	206 Ecology	3	
BIOL	206L Ecology Lab	1	
BIOL	207 Genetics	3	
BIOL	207L Genetics Lab	1	
CHEM	101 General Chemistry	3	
CHEM	101L General Chemistry Lab	1	

Upper Division

5 Credits

Electives *(must be approved by Biology advisor)*

Course	Course Title	Credits	Grade

NOTE: A pre-requisite for BIOL 205, BIOL 206, and BIOL 207 is a C- grade or better in BIOL 105, BIOL 105L, and BIOL 106. Students must also get a C- grade or better in BIOL 205, BIOL 206, BIOL 207, and BIOL 399 in order to take BIOL 499. For upper-division Biology electives, a minimum of 10 credits (BS), 6 credits (BA), or 4 credits (Minor) must be biology courses taken from Gonzaga faculty: students participating in School for Field Studies programs or other study abroad programs should make note. All courses should be chosen in consultation with a faculty advisor.

MINOR in CHEMISTRY: 27-29 Credits

Course	Course Title	Credits	Grade
CHEM	101 General Chemistry	3	
CHEM	101L General Chemistry Lab	1	
CHEM	230 Organic Chemistry I	4	
CHEM	230L Organic Chemistry I Lab	1	
CHEM	231 Organic Chemistry II	3	
CHEM	231L Organic Chemistry II Lab	1	
MATH	157 Calculus-Analytic Geometry I	4	

One of the following two courses:

Course	Course Title	Credits	Grade
PHYS	101 General Physics I	3	
OR			
PHYS	103 Scientific Physics I	3*	

Two of the following selections of foundational courses:

Course	Course Title	Credits	Grade
CHEM	205 Inorganic Chemistry	3	
AND/OR			
CHEM	245 Biochemistry	3	
CHEM	245L Biochemistry Lab	1	
AND/OR			
CHEM	310 Analytical Chemistry	3	
CHEM	310L Analytical Chemistry Lab	2	
AND/OR			
CHEM	355 Physical Chemistry	3	
CHEM	355L Inorganic & Physical Chemistry Lab	1	

***Required number of credits for this course for the minor differ from actual course credits.**