Major/Program	Biology (Genetics)
College	Science and Mathematics
Department	Biology
Contact	Dr. Dave Slimmer, Dean
2022-2023	

Can be swapped between Second Year fall and spring

## Lander University 4-Year Major Guide

Can be moved to any semester **First Semester** Course Notes lours BIOL 111 CHEM 111 4 Scientific and Mathematical Reasoning (General 4 Education) MATH 121, MATH 123, Core Academic Skills (General Education) 3 or MATH 141 **ENGL 101** Core Academic Skills (General 3 Education) LINK 101 General Education 1

Subtotal 15

rs

Sec	TOTALS		
Course	Notes	Hours	
BIOL 112		4	
CHEM 112	General Education Elective (General Education)	4	
MATH 211	Scientific and Mathematical Reasoning (General Education)	3	
ENGL 102	Core Academic Skills (General Education)	3	
General Education	Behavioral and Social Perspectives (General Education)	3	
			Yearly Totals
	Subtotal	17	→ 32

First Year

	Course	Notes	Hou
ar	* Program Requirement	Organismal Diversity Requirement (ee note below)	4
۲e	CHEM 221 Elective		4 3
Second Year	General Education	Behavioral and Social Perspectives (General Education)	3
Sec			
		Subtotal	14

**First Semester** 

Seco	nd Semester	r			
Course	Notes		Hours		
BIOL 303			3		
BIOL 299			1		
CHEM 301			3		
HIST 111 or POLS 101	Founding Documents (General Education)	:	3		
Elective			3		
Elective			3		
					Yearly
	S	Subtotal	16	<b>→</b>	3

Fir	st Semester	
Course BIOL 312	Notes	Hours 4
BIOL 399 PHYS 201 or PHYS 21	1	1
General Education	Humanities and Fine Arts	4
Elective	(General Education)	3 3
	Subtotal	15

Seco				
Course	Notes	Hours		
BIOL 403 PHYS 202 or PHYS 212		4		
FH13 202 01 FH13 212		4		
General Education	World Cultures (General Education)	3		
Elective		4		
			. –	Yearly Totals
	Subto	otal 15		30

First Semester			Sec	Second Semester						
	Course	Notes	Ho	ours	Course	Notes		Hours		
d	BIOL 307			4	Genetics Group Requirement	(see note below)		4		
Ľ	Genetics Group Requirement	(see note below)		4	BIOL 499			1		
5	BIOL 498			1	BIOL 412			4		
	General Education	Humanities and Fine Ai (General Education)	ts	3	FALS 101	University Requirement	1	0		
5	Elective			4	Elective			3		
										Yearly Totals
		Su	btotal	16		Su	btotal	12	→	28

## Total Hours Required:

120

\* Students may take either BIOL 213 or BIOL 214 to meet the organismal diversity requirement. Those who opt to fulfill this requirement in the second semester should take BIOL 303 in the first semester.

**Biology Group Requirements** 

Group 1: BIOL 308 or BIOL 313 or BIOL 401 Group 2: BIOL 307 Group 3: BIOL 306 or BIOL 311 or BIOL 415 or BIOL 421

Third Year