

Major/Program	Biology (Genetics)
College	Science and Mathematics
Department	Biology
Contact	Dave Slimmer, Dean

2018-2019

Lander University 4-Year Major Guide

	First Semester			Second Semester			TOTALS	
	Course	Notes	Hours	Course	Notes	Hours		
First Year	BIOL 111		4	BIOL 112		4		
	CHEM 111	<i>Scientific and Mathematical Reasoning (General Education)</i>	4	CHEM 112	<i>General Education Elective (General Education)</i>	4		
	MATH 121, MATH 123, or MATH 141	<i>Core Academic Skills (General Education)</i>	3	MATH 211	<i>Scientific and Mathematical Reasoning (General Education)</i>	3		
	ENGL 101	<i>Core Academic Skills (General Education)</i>	3	ENGL 102	<i>Core Academic Skills (General Education)</i>	3		
	LINK 101	<i>Core Academic Skills (General Education)</i>	1	General Education	<i>Behavioral and Social Perspectives (General Education)</i>	3		
		Subtotal		15	Subtotal		17	Yearly Totals → 32
Second Year	First Semester			Second Semester				
		Course	Notes	Hours		Course	Notes	Hours
		* Organismal Diversity Requirement	<i>See note below</i>	4		BIOL 303		3
		CHEM 221		4		BIOL 299		1
		Foreign Language	<i>Core Academic Skills (General Education)</i>	3		CHEM 301		3
		General Education	<i>Behavioral and Social Perspectives (General Education)</i>	3		General Education Elective	<i>General Education</i>	3
			3		Elective		3	
			3		Elective		3	
	Subtotal		14	Subtotal		16	Yearly Totals → 30	
Third Year	First Semester			Second Semester				
		Course	Notes	Hours		Course	Notes	Hours
		BIOL 312		4		BIOL 403		4
		BIOL 399		1		PHYS 202 or PHYS 212		4
		PHYS 201 or PHYS 211		4		General Education Elective	<i>Global Issues and Cultures</i>	3
		General Education	<i>Humanities and Fine Arts (General Education)</i>	3		Elective		4
			3		Elective		4	
	Subtotal		15	Subtotal		15	Yearly Totals → 30	
Fourth Year	First Semester			Second Semester				
		Course	Notes	Hours		Course	Notes	Hours
		BIOL 307	<i>Group 2, Emphasis Requirement</i>	4		BIOL Group Requirement	<i>See note below</i>	4
		BIOL Group Requirement	<i>See note below</i>	4		BIOL 499		1
		BIOL 498		1		BIOL 412		4
		General Education	<i>Humanities and Fine Arts (General Education)</i>	3		FALS 101	<i>Core Academic Skills (General Education)</i>	0
			4		Elective		3	
	Subtotal		16	Subtotal		12	Yearly Totals → 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