

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

2019-2020

Lander University 4-Year Major Guide

Can be swapped between Second Year fall and spring

Can be moved to any semester

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
First Year	BIOL 111		4	BIOL 112		4	Yearly Totals 32
	CHEM 111	Scientific and Mathematical Reasoning (General Education)	4	CHEM 112	General Education Elective (General Education)	4	
	MATH 121, MATH 123, or MATH 141	Core Academic Skills (General Education)	3	MATH 211	Scientific and Mathematical Reasoning (General Education)	3	
	ENGL 101	Core Academic Skills (General Education)	3	ENGL 102	Core Academic Skills (General Education)	3	
	LINK 101	Core Academic Skills (General Education)	1	General Education	Behavioral and Social Perspectives (General Education)	3	
	Subtotal		15	Subtotal		17	
Second Year	First Semester			Second Semester			Yearly Totals 30
	* Organismal Diversity Requirement	See note below	4	BIOL 303		3	
	CHEM 221		4	BIOL 299		1	
	Foreign Language	Core Academic Skills (General Education)	3	CHEM 301		3	
	General Education	Behavioral and Social Perspectives (General Education)	3	General Education Elective	General Education	3	
	Subtotal		14	Subtotal		16	
Third Year	First Semester			Second Semester			Yearly Totals 30
	BIOL 312		4	BIOL 403		4	
	BIOL 399		1	PHYS 202 or PHYS 212		4	
	PHYS 201 or PHYS 211		4	General Education Elective	Global Issues and Cultures	3	
	General Education	Humanities and Fine Arts (General Education)	3	Elective		4	
	Subtotal		15	Subtotal		15	
Fourth Year	First Semester			Second Semester			Yearly Totals 28
	BIOL 307	Group 2, Emphasis Requirement	4	BIOL Group Requirement	See note below	4	
	BIOL Group Requirement	See note below	4	BIOL 499		1	
	BIOL 498		1	BIOL 412		4	
	General Education	Humanities and Fine Arts (General Education)	3	FALS 101	Core Academic Skills (General Education)	0	
	Subtotal		16	Subtotal		12	

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