

Major/Program	Biology
College	Science and Mathematics
Department	Biology
Contact	Dr. Dave Slimmer, Dean
2021-2022	

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	
	CHEM 111	Scientific and Mathematical Reasoning (General Education)	4	CHEM 112		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	General Education	1	General Education	Behavioral and Social Perspectives (General Education)	3	
		Subtotal		15	Subtotal		17

	First Semester			Second Semester			Yearly Totals
	Course	Notes	Hours	Course	Notes	Hours	
Second Year	* Program Requirement	Organismal Diversity (see note below)	4	BIOL 303		3	
	CHEM 221		4	BIOL 299		1	
	Elective		3	HIST 111 or POLS 101	Founding Documents (General Education)	3	
	General Education	Behavioral and Social Perspectives (General Education)	3	Elective		3	
	Elective		3	Elective		3	
		Subtotal		17	Subtotal		13

	First Semester			Second Semester			Yearly Totals
	Course	Notes	Hours	Course	Notes	Hours	
Third Year	BIOL 312		4	* Program Requirement	Biology Group (see note below)	4	
	BIOL 399		1	* Program Requirement	Biology Group (see note below)	4	
	General Education	Humanities and Fine Arts (General Education)	3	General Education	Humanities and Fine Arts (General Education)	3	
	Elective		3	General Education	World Cultures (General Education)	3	
	Elective		3	Elective		3	
		Subtotal		14	Subtotal		17

	First Semester			Second Semester			Yearly Totals
	Course	Notes	Hours	Course	Notes	Hours	
Fourth Year	* Program Requirement	Biology Group (see note below)	4	BIOL 499		1	
	Biology Elective	200-level or above	4	**Biology Elective	300-level or above	4	
	Elective		3	FALS 101	University Requirement	0	
	Elective		4	Elective		4	
				Elective		3	
		Subtotal		15	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.

**BIOL 300-level or above (except BIOL 490 and BIOL 498)

Biology Group Requirements

- Group 1: BIOL 308 or BIOL 313 or BIOL 401
- Group 2: BIOL 307 or BIOL 403 or BIOL 422
- Group 3: BIOL 306 or BIOL 311 or BIOL 415 or BIOL 421