

Major/Program	Biology
College	Science and Mathematics
Department	Biology
Contact	Dr. Jennifer Yates, Interim Dean

2025-2026

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			
First Year	Course	Notes	Hours	Course	Notes	Hours			
	BIOL 111		4	BIOL 112		4			
	CHEM 111	Scientific and Mathematical Reasoning (General Education)	4	CHEM 112		4			
	ENGL 101	Core Academic Skills (General Education)	3	ENGL 102	Core Academic Skills (General Education)	3			
	MATH 121, MATH 123, or MATH 141	Core Academic Skills (General Education)	3	General Education	Behavioral and Social Perspectives (General Education)	3			
	LINK 101	General Education	1	MATH 211	Scientific and Mathematical Reasoning (General Education)	3			
Subtotal			15	Subtotal			17	Yearly Totals	32
Second Year	First Semester			Second Semester					
	Course	Notes	Hours	Course	Notes	Hours			
	CHEM 221		4	BIOL 299		1			
	Elective		3	BIOL 303		3			
	Elective		3	Elective		3			
	General Education	Behavioral and Social Perspectives (General Education)	3	Elective		3			
* Program Requirement			Organismal Diversity (see note below)	4	HIST 111R, HIST 112R, or POLS 101R	Founding Documents (General Education)	3	Yearly Totals	30
Subtotal			17	Subtotal			13		
Third Year	First Semester			Second Semester					
	Course	Notes	Hours	Course	Notes	Hours			
	BIOL 312		4	Elective		3			
	BIOL 399		1	General Education	Humanities and Fine Arts (General Education)	3			
	Elective		3	General Education	World Cultures (General Education)	3			
	Elective		3	* Program Requirement	Biology Group (see note below)	4			
General Education			Humanities and Fine Arts (General Education)	3	* Program Requirement	Biology Group (see note below)	4	Yearly Totals	31
Subtotal			14	Subtotal			17		
Fourth Year	First Semester			Second Semester					
	Course	Notes	Hours	Course	Notes	Hours			
	Biology Elective	200-level or above	4	BIOL 499		1			
	Elective		3	**Biology Elective	300-level or above	4			
	Elective		4	Elective		4			
	* Program Requirement	Biology Group (see note below)	4	Elective		3			
Subtotal			15	Subtotal			12	Yearly Totals	27

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