

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

2024-2025

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