

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

2023-2024

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	Scientific and Mathematical Reasoning (General Education)	4
	MATH 121, MATH 123, or MATH 141	Core Academic Skills (General Education)	3
	ENGL 101	Core Academic Skills (General Education)	3
	LINK 101	General Education	1
	Subtotal		15
		Course	Notes
		BIOL 112	4
		CHEM 112	General Education Elective (General Education)
		MATH 211	Scientific and Mathematical Reasoning (General Education)
		ENGL 102	Core Academic Skills (General Education)
		General Education	Behavioral and Social Perspectives (General Education)
		Subtotal	17
		Yearly Totals	32
Second Year	Course	Notes	Hours
	* Program Requirement	Organismal Diversity Requirement (see note below)	4
	CHEM 221		4
	Elective		3
	General Education	Behavioral and Social Perspectives (General Education)	3
		Subtotal	
		Course	Notes
		BIOL 303	3
		BIOL 299	1
		CHEM 301	3
		HIST 111R, HIST 112R, or POLS 101R	Founding Documents (General Education)
		Elective	3
		Elective	3
		Subtotal	16
		Yearly Totals	30
Third Year	Course	Notes	Hours
	BIOL 312		4
	BIOL 399		1
	PHYS 201 or PHYS 211		4
	General Education	Humanities and Fine Arts (General Education)	3
	Elective		3
	Subtotal		15
		Course	Notes
		BIOL 403	4
		PHYS 202 or PHYS 212	4
		General Education	World Cultures (General Education)
		Elective	4
		Subtotal	15
		Yearly Totals	30
Fourth Year	Course	Notes	Hours
	BIOL 307		4
	Genetics Group Requirement	(see note below)	4
	BIOL 498		1
	General Education	Humanities and Fine Arts (General Education)	3
	Elective		4
	Subtotal		16
		Course	Notes
		Genetics Group Requirement	(see note below)
		BIOL 499	1
		BIOL 412	4
		**FALS 101	University Requirement
		Elective	3
		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.

** FALS Requirement (Temporarily suspended)
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