

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

Lander University
4-Year Registration Plan

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
First Year	BIOL 111	Biology Core	4	BIOL 112	Biology Core	4	
	CHEM 111	Scientific & Mathematical Reasoning (General Education)	4	CHEM 112	General Education Elective	4	
	MATH 123 or 141	Core Academic Skills (General Education), Optometry Prerequisite	3	MATH 211	Scientific & Mathematical Reasoning (General Education), Optometry Prerequisite	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	PSYC 101	Behavioral & Social Perspectives (General Education), Optometry Prerequisite	3	
	Subtotal		15	Subtotal		17	Yearly Totals → 32
Second Year	First Semester			Second Semester			
	* Organismal Diversity Requirement	Program Requirement	4	BIOL 303	Biology Core	3	
	CHEM 221	Program Requirement, Optometry Prerequisite	4	BIOL 299	Biology Core	1	
	Foreign Language	Core Academic Skills (General Education)	3	CHEM 301	Optometry Prerequisite	3	
	General Education Requirement	Behavioral & Social Perspectives (General Education)	3	General Education Requirement	Humanities & Fine Arts (General Education)	3	
	Elective		3	Elective		4	
	Subtotal		17	Subtotal		14	Yearly Totals → 31
Third Year	First Semester			Second Semester			
	BIOL 312	Biology Core	4	BIOL Group Requirement	Program Requirement	4	
	BIOL 399	Biology Core	1	Physics 202 or 212	Optometry Prerequisite	4	
	PHYS 201 or 211	General Education Elective, Optometry Prerequisite	4	General Education Requirement	Global Issues	3	
	General Education Requirement	Humanities & Fine Arts (General Education)	3	Elective		4	
Subtotal		15	Subtotal		15	Yearly Totals → 30	
Fourth Year	First Semester			Second Semester			
	BIOL 421	Group 3, Optometry Prerequisite	4	BIOL Group Requirement	Program Requirement	4	
	BIOL 202	Biology Elective, Optometry Prerequisite	4	BIOL 203	Optometry Prerequisite	4	
	Biology Elective	300 - 400 Level	4	BIOL 499	Biology Core	1	
	Elective		3	FALS 101	Core Academic Skills (General Education)	0	
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.

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