

Major/Program	Biology
College	Science and Mathematics
Department	Biology
Contact	Jason Lee, Chair

Lander University
4-Year Registration Plan

	Fall Semester			Spring Semester			TOTALS	
	Course	Title(s)	Hours	Course	Title(s)	Hours		
First Year	BIOL 111	Foundations in Ecology, Evolution, & Genetics	4	BIOL 112	Foundations in Cellular and Molecular Biology	4		
	CHEM 111	General Chemistry	4	CHEM 112	General Chemistry	4		
	MATH 121, 123, or 141	Mathematical Applications, Calculus and Its Applications, or Single Variable Calculus	3	MATH 211	Statistical Methods I	3		
	ENGL 101	Writing and Inquiry I	3	ENGL 102	Writing and Inquiry II	3		
	LINK 101	Leadership, Involvement, Networking, and Knowledge	1	Elective		1		
	Subtotal 15			Subtotal 15			→ Yearly Totals 30	
Second Year	Fall Semester			Spring Semester				
		Course	Title(s)	Hours	Course	Title(s)	Hours	
		* Organismal Diversity Requirement or BIOL 303	Botany or Evolution (see below)	3-4	BIOL 299	Second-year Seminar	1	
		CHEM 221	Organic Chemistry I	4	* Organismal Diversity Requirement or BIOL 303	Zoology or Evolution (see below)	3-4	
		General Education Requirement	Behavioral & Social Perspectives (General Education)	3	General Education Requirement	Founding Documents (General Education)	3	
		Elective		3	Elective		3	
	Elective		1-2	Elective		3		
	Elective		1-2	Elective		1-2		
	Subtotal 15			Subtotal 15			→ Yearly Totals 30	
Third Year	Fall Semester			Spring Semester				
		Course	Title(s)	Hours	Course	Title(s)	Hours	
		BIOL 312	Genetics	4	BIOL Group Requirement	See Below for Options	4	
		General Education Requirement	Humanities & Fine Arts (General Education)	3	BIOL 399	Third-year Seminar	1	
		General Education Requirement	Behavioral & Social Perspectives (General Education)	3	BIOL Group Requirement	See Below for Options	4	
		Elective		3	General Education Requirement	Humanities & Fine Arts (General Education)	3	
	Elective		3	General Education Requirement	World Cultures (General Education)	3		
	Subtotal 16			Subtotal 15			→ Yearly Totals 31	
Fourth Year	Fall Semester			Spring Semester				
		Course	Title(s)	Hours	Course	Title(s)	Hours	
		BIOL Group Requirement	See Below for Options	4	BIOL 499	Senior Seminar	1	
		Biology Elective	See Below for Options	4	Biology Elective	See Below for Options	4	
		Elective		3	Elective		4	
	Elective		3	Elective		3		
	Elective		3	Elective		3		
	Subtotal 14			Subtotal 15			→ Yearly Totals 29	

Total Hours Required: 120

* Organismal Diversity Requirement: students may take either BIOL 213 (Botany, fall) or BIOL 214 (Zoology, spring) to meet the requirement. Those who opt to fulfill this requirement in the spring semester should take BIOL 303 in the fall semester.

Biology Group Requirements

Group 1: BIOL 308 (Comparative Vertebrate Anatomy) or BIOL 313 (Plant Anatomy) or BIOL 401 (Cell Biology)
 Group 2: BIOL 307 (Animal Development) or BIOL 403 (Molecular Biology) or BIOL 422 (Immunology)
 Group 3: BIOL 306 (Ecology) or BIOL 311 (Animal Physiology) or BIOL 415 (Limnology) or BIOL 421 (General Microbiology)