

<b>Major/Program</b>	Biology (Genetics)
<b>College</b>	Science and Mathematics
<b>Department</b>	Biology
<b>Contact</b>	Dr. Dave Slimmer, Dean

2020-2021

## 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
	Course	Notes	Hours	Course	Notes	Hours	
<b>First Year</b>	BIOL 111		4	BIOL 112		4	
	CHEM 111	Scientific and Mathematical Reasoning (General Education)	4	CHEM 112	General Education Elective (General Education)	4	
	MATH 121, MATH 123, or MATH 141	Core Academic Skills (General Education)	3	MATH 211	Scientific and Mathematical Reasoning (General Education)	3	
	ENGL 101	Core Academic Skills (General Education)	3	ENGL 102	Core Academic Skills (General Education)	3	
	LINK 101	General Education	1	General Education	Behavioral and Social Perspectives (General Education)	3	
		<b>Subtotal</b>		15	<b>Subtotal</b>		17
<b>Second Year</b>	<b>First Semester</b>			<b>Second Semester</b>			
	* Program Requirement	Organismal Diversity Requirement (see note below)	4	BIOL 303		3	
	CHEM 221		4	BIOL 299		1	
	Elective		3	CHEM 301		3	
	General Education	Behavioral and Social Perspectives (General Education)	3	HIST 111 or POLS 101	Founding Documents (General Education)	3	
		<b>Subtotal</b>		14	<b>Subtotal</b>		16
<b>Third Year</b>	<b>First Semester</b>			<b>Second Semester</b>			
	BIOL 312		4	BIOL 403		4	
	BIOL 399		1	PHYS 202 or PHYS 212		4	
	PHYS 201 or PHYS 211		4	General Education	World Cultures (General Education)	3	
	General Education	Humanities and Fine Arts (General Education)	3	Elective		4	
	Elective		3				
	<b>Subtotal</b>		15	<b>Subtotal</b>		15	→ <b>Yearly Totals</b> 30
<b>Fourth Year</b>	<b>First Semester</b>			<b>Second Semester</b>			
	BIOL 307		4	Genetics Group Requirement	(see note below)	4	
	Genetics Group Requirement	(see note below)	4	BIOL 499		1	
	BIOL 498		1	BIOL 412		4	
	General Education	Humanities and Fine Arts (General Education)	3	FALS 101	University Requirement	0	
	Elective		4	Elective		3	
	<b>Subtotal</b>		16	<b>Subtotal</b>		12	→ <b>Yearly Totals</b> 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.

**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