

<b>Major/Program</b>	Medical Biology: Pre-Professional
<b>College</b>	Science and Mathematics
<b>Department</b>	Biology
<b>Contact</b>	Dr. Jennifer Yates, Interim Dean

2024-2025

## Lander University

### 4-Year Major Guide

	First Semester			Second Semester			TOTALS	
	Course	Notes	Hours	Course	Notes	Hours		
<b>First Year</b>	BIOM111		4	BIOL 112		4		
	CHEM 111	<i>Scientific and Mathematical Reasoning (General Education)</i>	4	BIOM 199		1		
	ENGL 101	<i>Core Academic Skills (General Education)</i>	3	CHEM 112		4		
	MATH 121 or MATH 123 or MATH 141	<i>Core Academic Skills (General Education)</i>	3	ENGL 102	<i>Core Academic Skills (General Education)</i>	3		
	LINK 101	<i>General Education</i>	1	MATH 211	<i>Scientific and Mathematical Reasoning (General Education)</i>	3		
	<b>Subtotal</b>			15	<b>Subtotal</b>			15
							<b>Yearly Totals</b>	30
<b>Second Year</b>	<b>First Semester</b>			<b>Second Semester</b>				
	BIOL 202		4	BIOL 203		4		
	BIOM 320		3	BIOM 299		1		
	CHEM 221		4	Elective		4		
	Elective		1	HIST 111R, HIST 112R, or POLS 101R	<i>Founding Documents (General Education)</i>	3		
	General Education	<i>Humanities and Fine Arts (General Education)</i>	3	SOCI 101	<i>Behavioral and Social Perspectives (General Education)</i>	3		
	<b>Subtotal</b>			15	<b>Subtotal</b>			15
						<b>Yearly Totals</b>	30	
<b>Third Year</b>	<b>First Semester</b>			<b>Second Semester</b>				
	BIOL 304		3	BIOL 401		4		
	BIOL 312		4	BIOM 399		1		
	Elective		3	CHEM 301		3		
	PHIL 302	<i>Humanities and Fine Arts (General Education)</i>	3	Elective		3		
	PSYC 101	<i>Behavioral and Social Perspectives (General Education)</i>	3	Elective		3		
	<b>Subtotal</b>			16	<b>Subtotal</b>			14
						<b>Yearly Totals</b>	30	
<b>Fourth Year</b>	<b>First Semester</b>			<b>Second Semester</b>				
	Elective		3	BIOL 421		4		
	Elective		3	BIOM 499		1		
	Elective		3	Elective		3		
	General Education	<i>World Cultures</i>	3	Elective		3		
	Major Program	<i>BIOL or BIOM 300-level or above</i>	4	Major Program Elective	<i>BIOL or BIOM 300-level or above</i>	3		
	<b>Subtotal</b>			16	<b>Subtotal</b>			14
						<b>Yearly Totals</b>	30	

**Total Hours Required: 120**

**Notes:**  
Math 211 is an essential first year course