

Major/Program	Medical Biology
College	Science and Mathematics
Department	Biology
Contact	Dr. Jennifer Yates, Dean

2025-2026

Lander University

4-Year Major Guide

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
First Year	BIOM 111		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	
		Subtotal		15	Subtotal		15
Second Year	First Semester			Second Semester			
	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	
	Subtotal		15	Subtotal		15	Yearly Totals 30
Third Year	First Semester			Second Semester			
	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	
	Subtotal		16	Subtotal		14	Yearly Totals 30
Fourth Year	First Semester			Second Semester			
	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	
	Subtotal		16	Subtotal		14	Yearly Totals 30

Total Hours Required: 120

Notes:
*MATH 211 is an essential first year course