

<b>Major/Program</b>	Chemistry, Forensic Science
<b>College</b>	Science and Mathematics
<b>Department</b>	Physical Science
<b>Contact</b>	Dave Slimmer, Dean

2019-2020

## Lander University

### 4-Year Major Guide

Can be moved to any semester

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
<b>First Year</b>	CHEM 101		3	BIOL 112	<i>Elective (General Education)</i>	4	
	CHEM 111		4	CHEM 112		4	
	CHEM 198		1	CHEM 199		1	
	MATH 121 or MATH 123	<i>Core Academic Skills (General Education)</i>	3	MATH 211	<i>Scientific and Mathematical Reasoning (General Education)</i>	3	
	ENGL 101	<i>Core Academic Skills (General Education)</i>	3	ENGL 102	<i>Core Academic Skills (General Education)</i>	3	
	LINK 101	<i>Core Academic Skills (General Education)</i>	1				
		<b>Subtotal</b>		15	<b>Subtotal</b>		15

	First Semester			Second Semester				
	Course	Notes	Hours	Course	Notes	Hours		
<b>Second Year</b>	CHEM 221		4	CHEM 222		4		
	CHEM 330		5	CHEM 299		1		
	PSYC 101	<i>Behavioral and Social Perspectives (General Education)</i>	3	CHEM 331		4		
	Foreign Language	<i>Core Academic Skills (General Education)</i>	3	General Education	<i>Behavioral and Social Perspectives (General Education)</i>	3		
				General Education	<i>Humanities and Fine Arts (General Education)</i>	3		
		<b>Subtotal</b>		15	<b>Subtotal</b>		15	<b>Yearly Totals</b> 30

	First Semester			Second Semester			
	Course	Notes	Hours	Course	Notes	Hours	
<b>Third Year</b>	PHYS 201 or PHYS 211	<i>Scientific and Mathematical Reasoning (General Education)</i>	4	CHEM 360		3	
	CHEM 260		3	Δ CHEM 381 or ES 390	<i>Global Issues and Cultures (General Education)</i>	3	
	General Education	<i>Humanities and Fine Arts (General Education)</i>	3	General Education	<i>(General Education)</i>	3	
	BIOL 312		4	Elective		4	
				* Emphasis elective	<i>see note below</i>	4	
	<b>Subtotal</b>		14	<b>Subtotal</b>		16	<b>Yearly Totals</b> 30

	First Semester			Second Semester			
	Course	Notes	Hours	Course	Notes	Hours	
<b>Fourth Year</b>	CHEM 401		4	CHEM 301		3	
	* Emphasis elective	<i>see note below</i>	4	Elective		3	
	Elective		3	Elective		3	
	Elective		3	Elective		1	
	Elective		3	FALS 101	<i>Core Academic Skills (General Education)</i>	0	
				PSCI 499		3	
	<b>Subtotal</b>		17	<b>Subtotal</b>		13	<b>Yearly Totals</b> 30

**Total Hours Required: 120**

\* Emphasis elective (choose two of the following): BIOL 421, CHEM 311, GEOL 111, PHYS 202 or 212, POLS 217, POLS 313