

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

2021-2022

## Lander University 4-Year Major Guide

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
<b>First Year</b>	CHEM 111		4	BIOL 112		4	
	ENGL 101	Core Academic Skills (General Education)	3	CHEM 112		4	
	General Education	Humanities and Fine Arts (General Education)	3	CHEM 197		1	
	MATH 123 or MATH 141	Core Academic Skills (General Education)	3	CHEM 198		1	
	LINK 101	(General Education)	1	ENGL 102	Core Academic Skills (General Education)	3	
				MATH 211	Scientific and Mathematics (General Education)	3	
	<b>Subtotal</b>			<b>Subtotal</b>			<b>Yearly Totals</b>
			14			16	30
<b>Second Year</b>	<b>First Semester</b>			<b>Second Semester</b>			
	Course	Notes	Hours	Course	Notes	Hours	
	CHEM 221		4	CHEM 222		4	
	CHEM 330		5	CHEM 199		1	
	General Education	Behavioral and Social (General Education)	3	CHEM 331		4	
	HIST 111 or POLS 101	Founding Documents (General Education)	3	General Education	Humanities and Fine Arts (General Education)	3	
			General Education	Behavioral and Social (General Education)	3		
	<b>Subtotal</b>			<b>Subtotal</b>			<b>Yearly Totals</b>
			15			15	30
<b>Third Year</b>	<b>First Semester</b>			<b>Second Semester</b>			
	Course	Notes	Hours	Course	Notes	Hours	
	General Education	World Cultures (General Education)	3	CHEM 260 or above	except for CHEM 381	3	
	Major Elective	see list below	4	Elective		3	
	Major Elective	see list below	3	Elective		3	
	PHYS 201 or PHYS 211	Scientific and Mathematics (General Education)	4	Major Elective	see list below	3	
			PHYS 202 or PHYS 212		4		
	<b>Subtotal</b>			<b>Subtotal</b>			<b>Yearly Totals</b>
			14			16	30
<b>Fourth Year</b>	<b>First Semester</b>			<b>Second Semester</b>			
	Course	Notes	Hours	Course	Notes	Hours	
	CHEM 401		4	CHEM 402		4	
	CHEM 260 or above	except for CHEM 381	3	CHEM 341		4	
	CHEM 260 or above	except for CHEM 381	3	Elective		3	
	Elective		3	PSCI 499		3	
Elective		3	FALS	University Requirement	0		
	<b>Subtotal</b>			<b>Subtotal</b>			<b>Yearly Totals</b>
			16			14	30
<b>Total Hours Required:</b>							<b>120</b>

**Major Electives:** Choose three of the following: ASTR 101 or higher; BIOL 111 or higher; CHEM 260 or higher; CIS 130 or higher; ES 111 or higher; GEOL 111 or higher; MATH 141 or higher; PHYS 203; PHYS 314; PSCI 451.