

Major/Program	Chemistry, Secondary Certification
College	Science and Mathematics
Department	Physical Science
Contact	Dave Slimmer, Dean
2021-2022	

Lander University

4 - Year Major Guide

	First Semester			Second Semester			<u>TOTALS</u>
	Course	Notes	Hours	Course	Notes	Hours	
First Year	CHEM 111		4	CHEM 112		4	
	MATH 123	Core (General Education)	3	MATH 211	Scientific and Mathematics (General Education)	3	
	ENGL 101	Core (General Education)	3	ENGL 102	Core (General Education)	3	
	HIST 111 or POLS 101	Founding Documents (General Education)	3	General Education	Behavioral and Social (General Education)	3	
	LINK 101	LINK (General Education)	1	General Education	Humanities and Fine Arts (General Education)	3	
	Subtotal		14	Subtotal		16	Yearly Totals 30
Second Year	CHEM 221		4	BIOL 112		4	
	PHYS 201	Scientific and Mathematics (General Education)	4	PHYS 202		4	
	EDUC 204		3	EDUC 203		0.5	
	General Education	Behavioral and Social (General Education)	3	Elective		3	
	General Education	World Cultures (General Education)	3	General Education	Humanities and Fine Arts (General Education)	3	
	Subtotal		17	Subtotal		14.5	Yearly Totals 31.5
Third Year	CHEM 420		3	CHEM 331		4	
	Major Core Elective	see list below	3	Major Core Elective	see list below	4	
	EDUC 223		3	EDUC 329		0.5	
	EDUC 240		3	EDUC 320		3	
	SPED 223		3	Elective	see list below	3	
	Subtotal		15	Subtotal		14.5	Yearly Totals 29.5
Fourth Year	CHEM 401		4	EDUC 461		11	
	EDUC 321		3	EDUC 499		1	
	EDUC 429		1	FALS 101	University Requirement	0	
	PSCI 451		3				
	Elective		3				
Elective		3					
	Subtotal		17	Subtotal		12	Yearly Totals 29
Total Hours Required:							120

Major Electives: Choose two of the following: ASTR 101 or higher; BIOL 111 or higher; CHEM 222 or higher; CIS 130 or higher; ES 111 or higher; GEOL 111 or higher; MATH 141 or higher; PHYS 203.