

Major/Program	Chemistry Education, Secondary Certification
College	Science and Mathematics
Department	Physical Science
Contact	Dr. Dave Slimmer, Dean
2022-2023	

Lander University

4 - Year Major Guide

	First Semester			Second Semester			TOTALS	
	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	First Semester			Second Semester				
	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	First Semester			Second Semester				
	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 250		3	EDUC 320		3		
	SPED 223		3	Elective	see list below	3		
Subtotal			15	Subtotal			14.5	
							Yearly Totals 29.5	
	Pass all sections of Praxis Core. Apply for admission to the Professional Program; 2.75 GPA required for admission.							
	Must be admitted to the Professional Program to enroll in EDUC 329.							
Fourth Year	First Semester			Second Semester				
	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	
	Take Praxis II and PLT.							
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.