

Major/Program	Chemistry Education, Secondary Certification
College	Science and Mathematics
Department	Physical Science
Contact	Dr. Jennifer Yates, Interim Dean
2024-2025	

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	
	ENGL 101	Core (General Education)	3	ENGL 102	Core (General Education)	3	
	HIST 111R, HIST 112R, or POLS 101R	Founding Documents (General Education)	3	General Education	Behavioral and Social (General Education)	3	
	MATH 123	Core (General Education)	3	General Education	Humanities and Fine Arts (General Education)	3	
	LINK 101	LINK (General Education)	1	MATH 211	Scientific and Mathematics (General Education)	3	
	Subtotal			14	Subtotal		
						Yearly Totals	30

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Second Year	CHEM 221		4	BIOL 112		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	
	PHYS 201	Scientific and Mathematics (General Education)	4	PHYS 202		4	
	Subtotal			17	Subtotal		
						Yearly Totals	31.5

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Third Year	CHEM 420		3	CHEM 331		4	
	EDUC 223		3	EDUC 329		0.5	
	EDUC 250		3	EDUC 320		3	
	Major Core Elective	see list below	3	Elective	see list below	3	
	SPED 223		3	Major Core Elective	see list below	4	
	Subtotal			15	Subtotal		
						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.

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Fourth Year	CHEM 401		4	EDUC 461		11	
	EDUC 321		3	EDUC 499		1	
	EDUC 429		1				
	Elective		3				
	Elective		3				
	PSCI 451		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.