

Major/Program	Chemistry
College	Science and Mathematics
Department	Physical Science
Contact	Dr. Jennifer Yates, Dean

2026-2027

Lander University 4-Year Major Guide

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
First Year	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	
	Subtotal		14	Subtotal		16	Yearly Totals 30
Second Year	CHEM 221		4	CHEM 222		4	
	CHEM 330		5	CHEM 199		1	
	General Education	Behavioral and Social (General Education)	3	CHEM 331		4	
	HIST 111R, HIST 112R, or POLS 101R	Founding Documents (General Education)	3	General Education	Humanities and Fine Arts (General Education)	3	
				General Education	Behavioral and Social (General Education)	3	
	Subtotal		15	Subtotal		15	Yearly Totals 30
Third Year	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	
	Subtotal		14	Subtotal		16	Yearly Totals 30
Fourth Year	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				
	Subtotal		16	Subtotal		14	Yearly Totals 30
Total Hours Required:						120	

Major Electives: Choose three of the following: ASTR 101 or higher; BIOL 111 or higher; CHEM 260 or higher; CIS 130 or higher; ES 110 or higher; MATH 141 or higher; PHYS 203; PHYS 314; PSCI 451.