

Major/Program	Chemistry Education, Secondary Certification
College	Science and Mathematics
Department	Physical Science
Contact	Dave Slimmer, Dean
2019-2020	

Lander University 4-Year Major Guide

Can be moved to any semester

First Year

First Semester			Second Semester			TOTALS
Course	Notes	Hours	Course	Notes	Hours	
CHEM 111		4	CHEM 112		4	
MATH 121 or MATH 123	Core Academic Skills (General Education)	3	MATH 211	Scientific and Mathematical Reasoning (General Education)	3	
ENGL 101	Core Academic Skills (General Education)	3	ENGL 102	Core Academic Skills (General Education)	3	
Foreign Language	Core Academic Skills (General Education)	3	General Education	Behavioral and Social Perspectives (General Education)	3	
LINK 101	Core Academic Skills (General Education)	1	General Education	Humanities and Fine Arts (General Education)	3	
		Subtotal			Subtotal	Yearly Totals
		14			16	30

Second Year

First Semester			Second Semester			Yearly Totals
Course	Notes	Hours	Course	Notes	Hours	
CHEM 221		4	BIOL 101	General Education Elective (General Education)	4	
PHYS 201	Scientific and Mathematical Reasoning (General Education)	4	PHYS 202		4	
EDUC 204		3	EDUC 203		0.5	
General Education	Behavioral and Social Perspectives (General Education)	3	Elective		3	
General Education	Elective (General Education)	3	General Education	Humanities and Fine Arts (General Education)	3	
		Subtotal			Subtotal	Yearly Totals
		17			14.5	31.5

Third Year

First Semester			Second Semester			Yearly Totals
Course	Notes	Hours	Course	Notes	Hours	
EDUC 223		3	CHEM 331		4	
EDUC 240		3	CHEM 420		3	
SPED 223		3	CHEM 381 or ES 490	Elective (General Education) (Global Issues and Cultures)	3	
Elective		3	EDUC 329		0.5	
Elective		3	EDUC 320		3	
			Major Program Elective	see list below	3	
		Subtotal			Subtotal	Yearly Totals
		15			16.5	31.5

Fourth Year

First Semester			Second Semester			Yearly Totals
Course	Notes	Hours	Course	Notes	Hours	
EDUC 321		3	EDUC 461		11	
EDUC 429		1	EDUC 499		1	
PSCI 451		3	FALS 101	Core Academic Skills (General Education)	0	
Major Program Elective	see list below	3				
Elective		3				
Elective		2				
		Subtotal			Subtotal	Yearly Totals
		15			12	27

Total Hours Required: 120

Major Program Electives: Choose two of the following: CHEM 222, CHEM 260, CHEM 301, CHEM 341, CHEM 360, or CHEM 401