

Major/Program	Chemistry
College	Science and Mathematics
Department	Physical Science
Contact	Dave Slimmer, Dean

2018-2019

Lander University

4-Year Major Guide

First Year	First Semester		
	Course	Notes	Hours
	CHEM 111		4
	CHEM 198		1
	MATH 123 or MATH 141	Core Academic Skills (General Education)	3
	ENGL 101	Core Academic Skills (General Education)	3
	LINK 101	Core Academic Skills (General Education)	1
	General Education	Humanities and Fine Arts (General Education)	3
Subtotal			15

	Second Semester			TOTALS
	Course	Notes	Hours	
	BIOL 112		4	
	CHEM 112		4	
	CHEM 199		1	
	MATH 211	Scientific and Mathematical Reasoning (General Education)	3	
	ENGL 102	Core Academic Skills (General Education)	3	
Subtotal			15	Yearly Totals 30

Second Year	First Semester		
	Course	Notes	Hours
	CHEM 221		4
	CHEM 330		5
	Foreign Language	Core Academic Skills (General Education)	3
	General Education	Core Academic Skills (General Education)	3
Subtotal			15

	Second Semester			Yearly Totals
	Course	Notes	Hours	
	CHEM 222		4	
	CHEM 299		1	
	CHEM 331		4	
	General Education	Behavioral and Social Perspectives (General Education)	3	
	General Education	Humanities and Fine Arts (General Education)	3	
Subtotal			15	30

Third Year	First Semester		
	Course	Notes	Hours
	PHYS 201 or PHYS 211	Scientific and Mathematical Reasoning (General Education)	4
	Major Elective	see list below	4
	General Education	General Education	3
	Elective		3
	Elective		3
Subtotal			14

	Second Semester			Yearly Totals
	Course	Notes	Hours	
	PHYS 202 or PHYS 212	Elective (General Education)	4	
	CHEM 260 or above	except for CHEM 381	3	
	CHEM 381 or ES 390	Elective (General Education)	3	
	Major Elective	see list below	3	
	Elective		3	
Subtotal			16	30

Fourth Year	First Semester		
	Course	Notes	Hours
	CHEM 401		4
	CHEM 260 or above or PHYS 314	except for CHEM 381	3
	CHEM 260 or above	except for CHEM 381	4
	Elective		3
	Elective		2
Subtotal			16

	Second Semester			Yearly Totals
	Course	Notes	Hours	
	CHEM 402		4	
	CHEM 341		4	
	Elective		3	
	FALS	Core Academic Skills (General Education)	0	
	PSCI 499		3	
Subtotal			14	30

Total Hours Required: 120

Major Electives: Choose two of the following: BIOL 111 or higher; CHEM 260 or higher; CIS 101 or higher; MATH 141 or higher; 203 or PHYS 314; ES 300 or higher; GEOL 111 or higher

PHYS