

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

2017-2018

Lander University 4-Year Major Guide

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
First Year	BIOL 111		4	CHEM 112		4	
	CHEM 111		4	CHEM 199		1	
	CHEM 198		1	MATH 211	<i>Mathematics (Gen. Educ.)</i>	3	
	MATH 123 or MATH 141	<i>Logic & Analytical Thought (General Education)</i>	3	ENGL 102	<i>Writing (General Educ.)</i>	3	
	ENGL 101	<i>Writing (General Educ.)</i>	3	Major Elective	<i>see list below</i>	3	
	LINK 101	<i>University Requirement</i>	1				
	Subtotal 16			Subtotal 14			Yearly Totals 30

	First Semester			Second Semester			Yearly Totals
	Course	Notes	Hours	Course	Notes	Hours	
Second Year	CHEM 221		4	CHEM 222		4	
	CHEM 330		5	CHEM 299		1	
	Foreign Language	<i>University Requirement</i>	3	CHEM 331		4	
	General Education		3	Foreign Language	<i>University Requirement</i>	3	
				General Education		3	
	Subtotal 15			Subtotal 15			30

	First Semester			Second Semester			Yearly Totals
	Course	Notes	Hours	Course	Notes	Hours	
Third Year	PHYS 201 or PHYS 211	<i>Laboratory Science (General Education)</i>	4	PHYS 202 or PHYS 212	<i>Laboratory Science (General Education)</i>	4	
	Major Elective	<i>see list below</i>	4	CHEM 300 or above	<i>except for CHEM 381</i>	3	
	General Education		3	General Education		3	
	General Education		3	General Education		3	
				General Education		3	
	Subtotal 14			Subtotal 16			30

	First Semester			Second Semester			Yearly Totals
	Course	Notes	Hours	Course	Notes	Hours	
Fourth Year	CHEM 401		4	CHEM 402		4	
	CHEM 300 or above or PHYS 314	<i>except for CHEM 381</i>	3	CHEM 341		4	
	Elective		3	Elective		3	
	General Education		3	FALS	<i>University Requirement</i>	1	
	Elective		2	PSCI 499		3	
	Subtotal 15			Subtotal 15			30

Total Hours Required: 120

Major Electives: Choose two of the following: BIOL 112 or higher; CHEM 300 or higher; CIS 101 or higher; MATH 141 or higher; PHYS 203 or PHYS 314; ES 301 or higher; GEOL 111 or higher