

Major/Program	Environmental Science
College	Science and Mathematics
Department	Physical Science
Contact	Dr. Dave Slimmer, Dean

2022-2023

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 Academic Skills (General Education)	3	ENGL 102	Core Academic Skills (General Education)	3	
	HIST 111 or POLS 101	Founding Documents (General Education)	3	ES 111		3	
	MATH 123 or MATH 141	Core Academic Skills (General Education)	3	GEOL 111 or PSCI 112		4	
	LINK 101	LINK (General Education)	1	MATH 211	Scientific and Mathematics (General Education)	3	
		Subtotal		14	Subtotal		17
Second Year	First Semester			Second Semester			
	Course	Notes	Hours	Course	Notes	Hours	
	BIOL 111		4	Elective		3	
	CHEM 221		4	ES 302		4	
	ES 301		4	ES 314	World Cultures (General Education)	3	
	General Education	Humanities and Fine Arts (General Education)	3	General Education	Behavioral and Social (General Education)	3	
	Subtotal		15	Subtotal		16	Yearly Totals 31
Third Year	First Semester			Second Semester			
	Course	Notes	Hours	Course	Notes	Hours	
	CHEM 330		5	BIOL 306		4	
	ES 310		3	Elective		3	
	General Education	Behavioral and Social (General Education)	3	Elective		3	
	PHYS 201 or PHYS 211	Scientific and Mathematics (General Education)	4	GEOL 405		3	
	Subtotal		15	*Major Elective	see list below	4	Yearly Totals 32
Fourth Year	First Semester			Second Semester			
	Course	Notes	Hours	Course	Notes	Hours	
	BIOL 415		4	ES 407 or ES 490		3	
	CHEM 420		3	Elective		3	
	Elective		3	*Major Elective	see list below	4	
	Elective		3	PSCI 499		3	
FALS 101	University Requirement	0				Yearly Totals 26	
	Subtotal		13	Subtotal		13	

Total Hours Required: 120

*Major Electives: Choose two of the following: BIOL 213; BIOL 303; BIOL 313; BIOL 421; CHEM 222; CHEM 260; CHEM 301; CHEM 331; CHEM 360; CHEM 381