

Major/Program	Environmental Science
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 Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
First Year	CHEM 111	General Education Elective	4	GEOL 111 or PSCI 112		4	
	MATH 123 or MATH 141**	Core Academic Skills (General Education)	3	CHEM 112		4	
	ENGL 101	Core Academic Skills (General Education)	3	MATH 211	Scientific and Mathematical Reasoning (General Education)	3	
	Foreign Language	Core Academic Skills (General Education)	3	ENGL 102	Core Academic Skills (General Education)	3	
	LINK 101	Core Academic Skills (General Education)	1	ES 111	Scientific and Mathematical Reasoning (General Education)	3	
	Subtotal		14	Subtotal		17	Yearly Totals 31

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Second Year	ES 301		4	ES 302		4	
	CHEM 221		4	Δ CHEM 381 or ES 390	Elective (General Education) Global Issues and Cultures	3	
	BIOL 111		4	*Major Program Elective	see list below	3	
	General Education	Humanities and Fine Arts (General Education)	3	General Education	Behavioral and Social Perspectives (General Education)	3	
				General Education	Humanities and Fine Arts (General Education)	3	
	Subtotal		15	Subtotal		16	Yearly Totals 31

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Third Year	ES 310		3	GEOL 405		3	
	CHEM 330		5	BIOL 306		4	
	PHYS 201 or PHYS 211	Scientific and Mathematical Reasoning (General Education)	4	Elective		3	
	General Education	Behavioral and Social Perspectives (General Education)	3	General Education	(General Education)	3	
				Elective		3	
	Subtotal		15	Subtotal		16	Yearly Totals 31

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Fourth Year	BIOL 415		4	ES 407 or ES 490		3	
	*Major Program Elective	see list below	4	PSCI 499		3	
	Elective		3	CHEM 420		3	
	Elective		3	Elective		3	
	FALS 101	Core Academic Skills (General Education)	0	Elective		1	
	Subtotal		14	Subtotal		13	Yearly Totals 27

Total Hours Required: 120

*Major Program Electives (Choose 2): BIOL 213; BIOL 303; BIOL 421; CHEM 222; CHEM 260; CHEM 301; CHEM 331; CHEM 360; ES 390
 **Students anticipating graduate studies in environmental science are strongly encouraged to choose MATH 141.