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		Sec	ond Semester		TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
	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	
2	MATH 123 or MATH 141	Core Academic Skills (General Education)	3	GEOL 111 or PSCI 11	2	4	
	LINK 101	LINK (General Education)	1	MATH 211	Scientific and Mathematics (General Education)	3	
		Subtotal	14		Subtotal	17	Yearly Totals
	First	Semester		Sec	ond Semester		
	Course	Notes	Hours	Course	Notes	Hours	
=	BIOL 111		4	Elective		3	
2	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	
				General Education	Humanities and Fine Arts (General Education)	3	
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Second real		Subtotal	15		Subtotal	16	Yearly Total → 31
200	First		15	Sec	Subtotal	16	
500		Semester	15 Hours		Subtotal ond Semester	16 - Hours	
200	Course		Hours	Course	Subtotal		
-		Semester			Subtotal ond Semester	Hours	
-	Course CHEM 330	Behavioral and Social (General Education)	Hours 5	Course BIOL 306	Subtotal ond Semester	Hours 4	
-	Course CHEM 330 ES 310	Semester Notes Behavioral and Social	Hours 5 3	Course BIOL 306 Elective	Subtotal ond Semester	Hours 4 3	
-	Course CHEM 330 ES 310 General Education	E Semester Notes Behavioral and Social (General Education) Scientific and Mathematics	Hours 5 3 3	Course BIOL 306 Elective Elective	Subtotal ond Semester	Hours 4 3 3	→ 31
	Course CHEM 330 ES 310 General Education	E Semester Notes Behavioral and Social (General Education) Scientific and Mathematics	Hours 5 3 3	Course BIOL 306 Elective Elective GEOL 405	Subtotal ond Semester Notes	Hours 4 3 3 3	→ 31
-	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211	E Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal	Hours 5 3 3 4	Course BIOL 306 Elective Elective GEOL 405 *Major Elective	Subtotal ond Semester Notes see list below Subtotal	Hours 4 3 3 3 4	→ 31
-	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211 First	: Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal : Semester	Hours 5 3 3 4	Course BIOL 306 Elective GEOL 405 *Major Elective	Subtotal ond Semester Notes see list below Subtotal ond Semester	Hours 4 3 3 3 4 17	→ 31
	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211 First Course	E Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal	Hours 5 3 4 4 15	Course BIOL 306 Elective GEOL 405 *Major Elective Sec Course	Subtotal ond Semester Notes see list below Subtotal	Hours 4 3 3 4 17 Hours	→ 31
	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211 First Course BIOL 415	: Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal : Semester	Hours 5 3 4 4 15 Hours 4	Course BIOL 306 Elective GEOL 405 *Major Elective Sec Course ES 407 or ES 490	Subtotal ond Semester Notes see list below Subtotal ond Semester	Hours 4 3 3 4 17 Hours 3	→ 31
	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211 First Course BIOL 415 CHEM 420	: Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal : Semester	Hours 5 3 4 4 15 Hours 4 3	Course BIOL 306 Elective GEOL 405 *Major Elective Sec Course ES 407 or ES 490 Elective	Subtotal ond Semester Notes see list below Subtotal ond Semester Notes	Hours 4 3 3 4 4 17 Hours 3 3	→ 31
	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211 First Course BIOL 415 CHEM 420 Elective	: Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal : Semester	Hours 5 3 4 4 15 Hours 4 3 3	Course BIOL 306 Elective GEOL 405 *Major Elective Sec Course ES 407 or ES 490 Elective *Major Elective	Subtotal ond Semester Notes see list below Subtotal ond Semester	Hours 4 3 3 4 4 17 Hours 3 3 4	→ 31
	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211 First Course BIOL 415 CHEM 420 Elective Elective Elective	: Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal Subtotal : Semester Notes	Hours 5 3 4 4 15 Hours 4 3 3 3 3	Course BIOL 306 Elective GEOL 405 *Major Elective Sec Course ES 407 or ES 490 Elective	Subtotal ond Semester Notes see list below Subtotal ond Semester Notes	Hours 4 3 3 4 4 17 Hours 3 3	→ 31
	Course CHEM 330 ES 310 General Education PHYS 201 or PHYS 211 First Course BIOL 415 CHEM 420 Elective	: Semester Notes Behavioral and Social (General Education) Scientific and Mathematics (General Education) Subtotal : Semester	Hours 5 3 4 4 15 Hours 4 3 3	Course BIOL 306 Elective GEOL 405 *Major Elective Sec Course ES 407 or ES 490 Elective *Major Elective	Subtotal ond Semester Notes see list below Subtotal ond Semester Notes	Hours 4 3 3 4 4 17 Hours 3 3 4	→ 31

\*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