

Major/Program	Environmental Science
College	Science and Mathematics
Department	Physical Science
Contact	Dr. Jennifer Yates, Dean

2025-2026

Lander University

4-Year Major Guide

	First Semester	Second Semester	TOTALS	
First Year	BIOL 111	4	CHEM 112	4
	CHEM 111	4	ENGL 102	3
	ENGL 101	3	<i>Core Academic Skills (General Education)</i>	
	MATH 121 or MATH 123	3	ES 111 or Elective	3
	LINK 101	1	PSCI 112	4
		1	Elective	1
	Subtotal 15	Subtotal 15	Yearly Totals 30	
Second Year	First Semester	Second Semester		
	CHEM 221	4	ES 302 or *Major Elective	4
	ES 265 or ES 301	3		
	HIST 111R, HIST 112R, or POLS 101R	3	<i>World Cultures (General Education)</i>	
	General Education	3	CHEM 381	3
	MATH 211	3	<i>Behavioral and Social (General Education)</i>	
	3	General Education	3	
	3	General Education	3	
	1	Elective	1	
	Subtotal 16	Subtotal 14	Yearly Totals 30	
Third Year	First Semester	Second Semester		
	*Major Elective	4	BIOL 306	4
	*Major Elective	4	ES 355 or *Major Elective	3
	PHYS 201	4	<i>see list below</i>	
	General Education	3	CHEM 331	4
		3	Elective	4
	Subtotal 15	Subtotal 15	Yearly Totals 30	
Fourth Year	First Semester	Second Semester		
	BIOL 415	4	ES 445 or *Major Elective	4
	CHEM 420	3	<i>see list below</i>	
	*Major Elective	3	*Major Elective	4
	Elective	3	PSCI 499	3
	Elective	3	Elective	3
	Subtotal 16	Subtotal 14	Yearly Totals 30	

Total Hours Required: 120

***Major Electives:** Choose five of the following: BIOL 112; BIOL 213; BIOL 214; BIOL 303; BIOL 308; BIOL 313; BIOL 409 or CHEM 409; BIOL 421; CHEM 222; CHEM 260; CHEM 301; CHEM 330; CHEM 341; CHEM 360; CHEM 401; HIST 341; POLS 308; POLS 379; PUBH 310; PUBH 415; SOCI 363