

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

2023-2024

## 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 111R, HIST 112R, or POLS 101R	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	
	<b>Subtotal</b>			<b>14</b>	<b>Subtotal</b>		

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Second Year	BIOL 111		4	Elective		3	
	CHEM 221		4	ES 302		4	
	ES 301		4	CHEM 381	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	General Education	Humanities and Fine Arts (General Education)	3	
	<b>Subtotal</b>			<b>15</b>	<b>Subtotal</b>		

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Third Year	CHEM 330		5	BIOL 306		4	
	*Major Elective		3	Elective		3	
	General Education	Behavioral and Social (General Education)	3	Elective		3	
	PHYS 201 or PHYS 211	Scientific and Mathematics (General Education)	4	*Major Elective	see list below	3	
				*Major Elective	see list below	4	
	<b>Subtotal</b>			<b>15</b>	<b>Subtotal</b>		

	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
Fourth Year	BIOL 415		4	ES 407 or ES 490		3	
	CHEM 420		3	Elective		3	
	*Major Elective	see list below	3	*Major Elective	see list below	4	
	Elective		3	PSCI 499		3	
	FALS 101	University Requirement	0	*FALS 101	University Requirement	0	
	<b>Subtotal</b>			<b>13</b>	<b>Subtotal</b>		

^ FALS Requirement Temporarily Suspended

**Total Hours Required: 120**

\*Major Electives: Choose five of the following: BIOL 112; BIOL 213; BIOL 214; BIOL 303; BIOL 308; BIOL 313; BIOL 421; CHEM 222; CHEM 260; CHEM 301; CHEM 331; CHEM 341; CHEM 360; CHEM 401; HIST 341; POLS 308; POLS 379; PUBH 310; PUBH 415; SOCI 363