Major/Program	Chemistry, Health Sciences
College	Science and Mathematics
Department	Physical Science
Contact	Dr. Jennifer Yates, Interim Dean

**First Semester** 

Lander University 4 - Year Major Guide

**Total Hours Required:** 

120

**TOTALS** 

**Second Semester** 

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	Course	Notes	Hours	Course	Notes	Hours	
	BIOL 111		4	BIOL 112		4	
_			4			4	
Ø	CHEM 111			CHEM 112		4	
Ž	MATH 123	Core Academic Skills (General Education)	3	CHEM 197		1	
-irst Yea	ENGL 101	Core Academic Skills (General Education)	3	CHEM 198		1	
這	LINK 101	LINK (General Education)	1	MATH 211	Scientific and Mathematics (General Education)	3	
				ENGL 102	Core Academic Skills (General	3	
				LITOL TOZ	Education)	•	
							Yearly Totals
		Subtotal	15		Subtotal	16	→ 31
	Fir	st Semester		Sec	ond Semester		
	Course	Notes	Hours	Course	Notes	Hours	
₹	CHEM 221	7.0.00	4	CHEM 222		4	
ä							
<b>~</b>	CHEM 330		5	CHEM 199		1	
Second Year	PSYC 101	Behavioral and Social (General Education)	3	CHEM 331		4	
ĕ	LUCT 444D	(General Education) Founding Documents		0001404	Behavioral and Social	•	
5	HIST 111R,			SOCI 101		3	
ၓ	HIST 112R, or	(General Education)	3		(General Education)		
Ŏ	POLS 101R						
S	. 020 .0			General Education	Humanities and Fine Arts	3	
				Gonorai Education	(General Education)	·	
					,		Yearly Totals
		Subtotal	15		Subtotal	15 -	→ 30
		Cubicial			Cubictui		
	Fir	st Semester		Sec	ond Semester		
	Fir	st Semester Notes	Hours	Sec Course	ond Semester Notes	Hours	
<b>⊢</b>	Course			Course			
ar	Course PHYS 201 or	Notes	Hours 4	Course PHYS 202 or		Hours 4	
/ear	Course PHYS 201 or PHYS 211	Notes Scientific and Mathematics	4	Course PHYS 202 or PHYS 212		4	
Year	Course PHYS 201 or PHYS 211 BIOL 202	<b>Notes</b> Scientific and Mathematics (General Education)	4	Course PHYS 202 or PHYS 212 BIOL 203	Notes	4	
d Year	Course PHYS 201 or PHYS 211	Notes Scientific and Mathematics	4	Course PHYS 202 or PHYS 212	Notes  World Cultures (General	4	
ird Year	Course PHYS 201 or PHYS 211 BIOL 202	<b>Notes</b> Scientific and Mathematics (General Education)	4	Course PHYS 202 or PHYS 212 BIOL 203	Notes	4	
Third Year	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts	4	Course PHYS 202 or PHYS 212 BIOL 203	Notes  World Cultures (General	4	
Third Year	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement	Notes Scientific and Mathematics (General Education) see note below	4 4 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective	Notes  World Cultures (General	4 4 3 3	
Third Year	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts	4 4 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education	Notes  World Cultures (General	4 4 3	Versly Tatala
Third Year	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education)	4 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective	Notes  World Cultures (General Education)	4 4 3 3 3	Yearly Totals
Third Year	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts	4 4 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective	Notes  World Cultures (General	4 4 3 3	Yearly Totals → 31
Third Year	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal	4 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective	Notes  World Cultures (General Education)  Subtotal	4 4 3 3 3	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education)	4 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective	Notes  World Cultures (General Education)	4 4 3 3 3	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education	Notes Scientific and Mathematics (General Education)  see note below  Humanities and Fine Arts (General Education)  Subtotal	4 4 3 3 14	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective Sec	World Cultures (General Education)  Subtotal  ond Semester	4 4 3 3 3 17 -	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir	Notes Scientific and Mathematics (General Education)  see note below  Humanities and Fine Arts (General Education)  Subtotal	4 4 3 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective	World Cultures (General Education)  Subtotal  ond Semester	4 4 3 3 3 17	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401	Notes Scientific and Mathematics (General Education)  see note below  Humanities and Fine Arts (General Education)  Subtotal	4 4 3 3 14 Hours 4	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective  Sec Course * Emphasis	World Cultures (General Education)  Subtotal  ond Semester	4 4 3 3 3 17 Hours 3	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective  Sec Course * Emphasis Requirement	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17 -	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14 Hours 4 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective  Sec Course * Emphasis Requirement ** FALS 101	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement Elective	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14 Hours 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective  Sec Course * Emphasis Requirement ** FALS 101 PSCI 499	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14 Hours 4 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education  Elective  Elective  * Emphasis Requirement ** FALS 101  PSCI 499 Elective	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17	
Fourth Year Third Year	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement Elective	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14 Hours 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education Elective Elective  Sec Course * Emphasis Requirement ** FALS 101 PSCI 499	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17 Hours 3 0 3 3 3 3	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement Elective	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14 Hours 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education  Elective  Elective  * Emphasis Requirement ** FALS 101  PSCI 499 Elective	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement Elective	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14 Hours 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education  Elective  Elective  Sec Course * Emphasis Requirement ** FALS 101  PSCI 499 Elective Elective	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17 Hours 3 0 3 3 3 3	
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement Elective	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes see note below	4 4 3 3 14 Hours 4 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education  Elective  Elective  Sec Course * Emphasis Requirement ** FALS 101  PSCI 499 Elective Elective	World Cultures (General Education)  Subtotal  ond Semester  Notes	4 4 3 3 3 17 Hours 3 0 3 3 3 3	31
	Course PHYS 201 or PHYS 211 BIOL 202 * Emphasis Requirement General Education  Fir Course CHEM 401 * Emphasis Requirement Elective	Notes Scientific and Mathematics (General Education) see note below Humanities and Fine Arts (General Education) Subtotal est Semester Notes	4 4 3 3 14 Hours 4 3 3 3 3	Course PHYS 202 or PHYS 212 BIOL 203 General Education  Elective  Elective  Sec Course * Emphasis Requirement ** FALS 101  PSCI 499 Elective Elective	World Cultures (General Education)  Subtotal  ond Semester  Notes  University Requirement	4 4 3 3 3 17	31  Yearly Totals

<sup>\*</sup> Emphasis Requirement (choose three of the following): SPCH 101, PHIL 302, BIOL 204, BIOL 321, PSYC 203, CHEM 301, and PEES 310 \*\* FALS Requirement Temporarily Suspended