

**Bachelor of Science - Natural Science - Chemistry Concentration**  
**First Time Freshman Academic Roadmap**

Year 1: Freshman Year				Year Total				31
<b>Fall Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	
CHEM 2100 (GE 5A)	Fall & Spring	MATH 1401 (Corequisite)	4	CHEM 2200	Fall & Spring	CHEM 2100 with a grade of C or better	4	
CHEM 2100L (GE 1B)	Fall & Spring	CHEM 2100 (Corequisite)	1	CHEM 2200L	Fall & Spring	CHEM 2200 (Corequisite)	1	
MATH 1401 (GE 2)	Fall & Spring		4	MATH 1601 or MATH 2210	Fall & Spring	MATH 1401	4	
NSCI 2300	Fall		1	Critical Thinking (GE 1B)	Fall & Spring		3	
Free Elective	Fall & Spring		3	Oral Communication (GE 1C)	Fall & Spring		3	
Written Communication (GE 1A)	Fall & Spring		3					
<b>Semester Total</b>				<b>Semester Total</b>				15
Year 2: Sophomore Year				Year Total				32
<b>Fall Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	
BIOL 2010 (or Group C or D)	Fall & Spring	CHEM 2100 with a grade of C or higher	5	BIOL 2020 (or Continue Group C or D)	Spring	Varies	5	
CHEM 2400 & 2400L (or CHEM 3400)	Fall & Spring	CHEM 2200 with a grade of C or better	5	CHEM 2500 & 2500L (or CHEM 3500)	Fall & Spring	Varies	5	
Statistics	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
<b>Semester Total</b>				<b>Semester Total</b>				16
Year 3: Junior Year				Year Total				29
<b>Fall Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	
General Science UD Elective	Fall & Spring	Varies	3	CHEM UD Concentration Elective	Fall & Spring	Varies	3	
GEOL 3020 or GEOL 3040 (UD GE)	Fall & Spring		3	PHYS 2010 & 2010L (or PHYS 2510 & 2510L)	Fall & Spring	Varies	5	
PHYS 2000 & 2000L (or PHYS 2500 & 2500L)	Fall & Spring	MATH 1601 (or MATH 2210)	5	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
<b>Semester Total</b>				<b>Semester Total</b>				15
Year 4: Senior Year				Year Total				28
<b>Fall Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Terms Offered</b>	<b>Prerequisite Courses</b>	<b>Units</b>	
CHEM UD Concentration Elective	Fall & Spring	Varies	3	CHEM UD Concentration Elective	Fall & Spring	Varies	3	
CHEM UD Concentration Elective	Fall & Spring	Varies	3	NSCI 4300	Spring	NSCI 3300	2	
General Education (UD)	Fall & Spring		3	General Education (UD)	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		2	
<b>Semester Total</b>				<b>Semester Total</b>				13
				<b>Degree Units Total</b>				120

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Last modified

1/29/2026

The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements.

If a student takes Group A for Biology Series I, they need to take two courses for Series II, and one of those two courses (BIOL 2230) is only offered in the Fall.