

\*The following roadmap is a sample academic planning resource. Please consult your academic advisor and Academic Catalog for graduation requirements as you develop your individualized academic plan.

**College: College of Natural Sciences and Mathematics**

**Degree: BS – Bachelor of Science**

**Major: Chemistry\***

Term #	Course #	Course Title	Units
1	CHEM 1A	General Chemistry I	5
	ENGL 5	Accelerated Academic Literacies	3
	MATH 30	Calculus I	4
	X	General Education Requirement Area E	3
		Semester Total	15
2	CHEM 1B	General Chemistry II	5
	MATH 31	Calculus II	4
	PHYS 11A	General Physics: Mechanics	4
	X	General Education Requirement Area A1	3
		Semester Total	16
3	CHEM 24	Organic Chemistry Lecture I	3
	MATH 32	Calculus III	4
	X	General Education Requirement Area A3	3
	PHYS 11C	General Physics: Electricity and Magnetism	4
		Semester Total	14
4	CHEM 25	Organic Chemistry Laboratory	3
	CHEM 31	Quantitative Analysis	4
	CHEM 124	Organic Chemistry Lecture II	3
	ENGL 20	College Composition II	3
	X	General Education Requirement Area F	3
		Semester Total	16

\*The following roadmap is a sample academic planning resource. Please consult your academic advisor and Academic Catalog for graduation requirements as you develop your individualized academic plan.

Term #	Course #	Course Title	Units
5	CHEM 125	Advanced Organic Chemistry Laboratory	3
	CHEM 140A	Physical Chemistry Lecture I	3
	PHYS 11B	General Physics: Heat, Light, Sound, Modern Physics	4
	X	General Education Requirement Area C1	3
	X	Elective	3
		Semester Total	16
6	BIO 10	Basic Biological Concepts	3
	CHEM 141	Physical Chemistry Laboratory	3
	CHEM 140B	Physical Chemistry Lecture II	3
	X	American Institutions (US HIST)	3
	X	General Education Requirement Area C2	3
		Semester Total	15
7	CHEM 110	Inorganic Chemistry Lecture	3
	CHEM 161	General Biochemistry	3
	CHEM 110L	Advanced Inorganic Chemistry Laboratory	2
	X	CHEM BS Upper Division Elective	3
	X	American Institutions (GOVT)	3
		Semester Total	14
8	CHEM 133	Chemical Instrumentation	4
	X	CHEM BS Upper Division Elective	3
	X	General Education Requirement Area C	3
	X	Upper Division General Education Requirement Area D + Writing Intensive	3
	X	Upper Division General Education Requirement Area C	3
		Semester Total	16