CHEMISTRY (APPROVED BY THE AMERICAN CHEMICAL SOCIETY), BS

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
MATH 2144	Calculus I (A)	4
CHEM 1314	Chemistry I (LN)	4
General Education courses		6
	Hours	**14**
Spring		
CHEM 1515	Chemistry II (LN)	5
MATH 2153	Calculus II (A)	3
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) or Introductory Biology (LN)	4
General Education courses		3
	Hours	**15**
Sophomore		
Fall		
CHEM 3053	Organic Chemistry I	3
MATH 2163	Calculus III	3
PHYS 2014	University Physics I (LN)	4
General Education and College courses		6
	Hours	**16**
Spring		
CHEM 3153	Organic Chemistry II	3
CHEM 3112	Organic Chemistry Laboratory	2
MATH 2233	Differential Equations	3
PHYS 2114	University Physics II (LN)	4
General Education and College courses		3
	Hours	**15**
Junior		
Fall		
CHEM 2113	Principles of Analytical Chemistry	3
CHEM 2122	Quantitative Analysis Laboratory	2
CHEM 3433	Physical Chemistry I	3
MATH 3013	Linear Algebra (A)	3
College and Elective courses		3
	Hours	**14**
Spring		
CHEM 3353 or CHEM 3363	Descriptive Inorganic Chemistry or Bioinorganic Chemistry	3
CHEM 3353 and CHEM 3363 offered every other spring semester		
CHEM 3553 or CHEM 4433 or CHEM 4023	Physical Chemistry II or Computational Chemistry and Molecular Modeling or Modern Methods of Chemical Analysis	3
CHEM 3553 and CHEM 4023 offered every other spring semester		
CHEM 4433 offered in same semesters and CHEM 4023		
CHEM 3532 or CHEM 4022	Physical Chemistry Laboratory or Modern Methods of Chemical Analysis Laboratory	2
CHEM 3532 and CHEM 4022 offered every other spring semester		
BIOC 3653	Survey of Biochemistry	3
College and Elective courses		5
	Hours	**16**
Senior		
Fall		
CHEM 4322 or CHEM 4313	Advanced Organic Chemistry Laboratory or Medicinal Organic Chemistry	2
CHEM 4322 and CHEM 4313 offered every other fall semester		
CHEM 4333	Inorganic Chemistry I	3
CHEM 4990	Special Problems in Chemistry	1
Elective courses		9
	Hours	**15**
Spring		
CHEM 4023 or CHEM 3553	Modern Methods of Chemical Analysis or Physical Chemistry II	3
CHEM 4022 or CHEM 3532	Modern Methods of Chemical Analysis Laboratory or Physical Chemistry Laboratory	2
CHEM 4990	Special Problems in Chemistry	1
Elective courses		9
	Hours	**15**
	Total Hours	**120**

1

Speak with your academic advisor about pairing General Education Humanities (H) or Social Sciences (S) courses with General Education International (I) and Diversity (D) dimensions.