

CHEMISTRY, 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		
CHEM 1314	Chemistry I (LN)	4
MATH 2144	Calculus I (Q)	4
General Education courses		6
Hours		14
Spring		
BIOL 1113 & BIOL 1111 or BIOL 1114	Introductory Biology (N) and Introductory Biology Laboratory (LN)	4
CHEM 1515	Chemistry II (LN)	5
MATH 2153	Calculus II (Q)	3
General Education, College/Departmental, and/or Elective courses		3
Hours		15
Sophomore		
Fall		
CHEM 3053	Organic Chemistry I	3
MATH 2163 or MATH 2233	Calculus III or Differential Equations	3
PHYS 2014	University Physics I (LN)	4
General Education, College/Departmental, and/or Elective courses		4
Hours		14
Spring		
CHEM 3153	Organic Chemistry II	3
CHEM 3112	Organic Chemistry Laboratory	2
PHYS 2114	University Physics II (LN)	4
General Education, College, and Major courses		6
Hours		15
Junior		
Fall		
CHEM 2113	Principles of Analytical Chemistry	3
CHEM 2122	Quantitative Analysis Laboratory	2
CHEM 3433	Physical Chemistry I	3
College and Elective courses		8
Hours		16
Spring		
CHEM 3353 or CHEM 3363	Descriptive Inorganic Chemistry or Bioinorganic Chemistry	3
CHEM 3353 and CHEM 3363 offered every other spring		
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 as CHEM 4023		
Select one of the following:		2
CHEM 3532	Physical Chemistry Laboratory	
CHEM 4022	Modern Methods of Chemical Analysis Laboratory	

CHEM 4322	Advanced Organic Chemistry Laboratory (Fall only)	
CHEM 4990	Undergraduate Research in Chemistry	1
General Education, College/Departmental and/or Elective courses		6
Hours		15
Senior		
Fall		
BIOC 3653	Survey of Biochemistry	3
CHEM 4333 or CHEM 4312	Inorganic Chemistry I or Inorganic Chemistry Laboratory	3
Elective courses		9
Hours		15
Spring		
CHEM 4023 or CHEM 3553 or CHEM 4433	Modern Methods of Chemical Analysis or Physical Chemistry II or Computational Chemistry and Molecular Modeling	3
CHEM 4023 and CHEM 3553 offered every other spring semester		
CHEM 4023 offered in same semesters as CHEM 4433		
CHEM 4990	Undergraduate Research in Chemistry	1
Elective courses		12
Hours		16
Total Hours		120