

MEDICINAL AND BIOPHYSICAL 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		
MATH 2144	Calculus I (A)	4
CHEM 1314	Chemistry I (LN)	4
General Education courses		7
		Hours 15
Spring		
MATH 2153 or STAT 2013 or STAT 4013	Calculus II (A) or Elementary Statistics (A) or Statistical Methods I (A)	3
CHEM 1515	Chemistry II (LN)	5
BIOL 1114	Introductory Biology (LN)	4
General Education courses		3
		Hours 15
Sophomore		
Fall		
CHEM 3053	Organic Chemistry I	3
BIOL 1604 or PBIO 1404	Animal Biology or Plant Biology (LN)	4
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2
General Education courses		3
		Hours 15
Spring		
CHEM 3153	Organic Chemistry II	3
CHEM 3112	Organic Chemistry Laboratory	2

MICR 3223 or BIOC 3653	Advanced Microbiology or Survey of Biochem	3
PHYS 1114 or PHYS 2014	College Physics I (LN) or University Physics I (LN)	4
General Education courses		3
		Hours 15
Junior		
Fall		
CHEM 2113	Principles of Analytical Chemistry	3
CHEM 2122	Quantitative Analysis Laboratory	2
BIOC 3653 or MICR 3233	Survey of Biochemistry or Foundations of Cancer Biology	3
PHYS 1214 or PHYS 2114	College Physics II (LN) or University Physics II (LN)	4
College and Elective courses		3
		Hours 15
Spring		
CHEM 3353	Descriptive Inorganic Chemistry	3
CHEM 3413	Physical Chemistry Applications	3
CHEM 4990	Special Problems in Chemistry	1
BIOL 3023	General Genetics	3
College and Elective courses		6
		Hours 16
Senior		
Fall		
CHEM 4313 or CHEM 4320	Medicinal Organic Chemistry (Every other Fall) or Chemical and Spectroscopic Identification of Organic Compounds	3

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CHEM 4990	Special Problems in Chemistry	1
College and Elective courses		11
Hours		15
Spring		
CHEM 4022	Modern Methods of Chemical Analysis Laboratory	2
CHEM 4023	Modern Methods of Chemical Analysis	3
CHEM 4123	Biomolecular Chemistry and Function	3
College and Elective courses		6
Hours		14
Total Hours		120

¹ Speak with academic advisor about saving General Education electives and Humanities (H) for Upper-division courses with International (I) and Diversity (D) dimensions.