

# 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
<b>Freshman</b>		
<b>Fall</b>		
MATH 2144	Calculus I (A)	4
CHEM 1314	Chemistry I (LN)	4
General Education and College courses		7
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN)	4
CHEM 1515	Chemistry II (LN)	5
MATH 2153	Calculus II (A)	3
or STAT 2013	or Elementary Statistics (A)	
or STAT 4013	or Statistical Methods I (A)	
General Education courses		3
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
CHEM 3053	Organic Chemistry I	3
BIOL 1604	Animal Biology	4
or PBIO 1404	or Plant Biology (LN)	
MICR 2123	Introduction to Microbiology	3
MICR 2132	Introduction to Microbiology Laboratory	2
General Education courses		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 3153	Organic Chemistry II	3
CHEM 3112	Organic Chemistry Laboratory	2
PHYS 1114	College Physics I (LN)	4
or PHYS 2014	or University Physics I (LN)	
General Education and College courses		6
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
CHEM 2113	Principles of Analytical Chemistry	3
CHEM 2122	Quantitative Analysis Laboratory	2
BIOC 3653	Survey of Biochemistry	3
or MICR 3223	or Advanced Microbiology	
PHYS 1214	College Physics II (LN)	4
or PHYS 2114	or University Physics II (LN)	
College and Elective courses		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 3363	Bioinorganic Chemistry (every other year)	3
or CHEM 3353	or Descriptive Inorganic Chemistry	
CHEM 3413	Physical Chemistry Applications	3
BIOL 3023	General Genetics	3

College and Elective courses		6
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
CHEM 4313	Medicinal Organic Chemistry (Every other Fall)	3
or CHEM 4322	or Advanced Organic Chemistry Laboratory	
CHEM 4990	Special Problems in Chemistry	1
College and Elective courses		11
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 4022	Modern Methods of Chemical Analysis Laboratory	2
CHEM 4023	Modern Methods of Chemical Analysis	3
CHEM 4123	Biomolecular Chemistry and Function	3
CHEM 4990	Special Problems in Chemistry	1
College and Elective courses		6
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>

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