

# BIOCHEMISTRY, 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>		
CHEM 1314	Chemistry I (LN)	4
MATH 2144	Calculus I (A)	4
General Education 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
STAT 2013 or STAT 4013 or MATH 2153	Elementary Statistics (A) or Statistical Methods I (A) or Calculus II (A)	3
General Education courses		3
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
BIOL 1604 or PBIO 1404	Animal Biology or Plant Biology (LN)	4
CHEM 3053	Organic Chemistry I	3
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
General Education courses		6
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
BIOC 3713	Biochemistry I	3
PHYS 1214	College Physics II (LN)	4
CHEM 2113	Principles of Analytical Chemistry	3
College and Elective courses		5
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
BIOC 3813	Biochemistry II	3
BIOC 3723	Biochemistry and Molecular Biology Laboratory	3
BIOL 3023 or ANSI 3423 or PBIO 4553	General Genetics or Animal Genetics or Molecular Phylogenetic Analysis	3
College and Elective courses		6
<b>Hours</b>		<b>15</b>

### Senior

#### Fall

BIOC 3223 or CHEM 3413 or CHEM 3433	Physical Chemistry for Biologists or Physical Chemistry Applications or Physical Chemistry I	3
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Major, College, and Elective courses	12
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<b>Hours</b>	<b>15</b>
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#### Spring

BIOC 4883 or MICR 4233 or CHEM 4313	Senior Seminar in Biochemistry or Advanced Cell and Molecular Biology or Medicinal Organic Chemistry	3
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Major, College, and Elective courses	12
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<b>Hours</b>	<b>15</b>
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<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.