

# 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
<b>Freshman</b>		
<b>Fall</b>		
MATH 2144	Calculus I (A)	4
CHEM 1314	Chemistry I (LN)	4
General Education courses		3
<b>Hours</b>		<b>11</b>
<b>Spring</b>		
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
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
CHEM 3053	Organic Chemistry I	3
MATH 2163	Calculus III	3
PHYS 2014	University Physics I (LN)	4
General Education and College courses		6
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
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
<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
CHEM 3433	Physical Chemistry I	3
MATH 3013	Linear Algebra (A)	3
College and Elective courses		6
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
CHEM 3353	Descriptive Inorganic Chemistry	3
CHEM 3553	Physical Chemistry II	3
CHEM 3532	Physical Chemistry Laboratory	2
BIOC 3653	Survey of Biochemistry	3
College and Elective courses		5
<b>Hours</b>		<b>16</b>

<b>Senior</b>		
<b>Fall</b>		
CHEM 4322	Advanced Organic Chemistry Laboratory	2
CHEM 4333	Inorganic Chemistry I	3
CHEM 4990	Special Problems in Chemistry	1
Elective courses		9
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 4023	Modern Methods of Chemical Analysis	3
CHEM 4022	Modern Methods of Chemical Analysis Laboratory	2
CHEM 4990	Special Problems in Chemistry	1
Elective courses		9
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>