

31 credits are required to complete this degree program.

13 credits are required for this major. Courses for this major come from CHEM, MATH, PHYS, and BIOC. To make good academic progress, take 4 course credits each semester. Except that in the junior year, students should take 4.25 credits in both semesters.

Requirements for the Chemistry Major are included. Fill in the remaining credits every semester with [Core Requirements](#) (see guidelines below) or general electives.

First Year: FALL	First Year: SPRING
<u>CHEM 140</u> * (1 cr.) Core Foundations: FYII (1 cr.) Core Foundations: ENGL 110 or COMM 101 (1 cr.) Appropriate math class (1 cr.) see notes	<u>CHEM 220</u> (1 cr.) <u>[MATH 151]</u> * (1 cr.) see notes Core Foundations: ENGL 110 or COMM 101 (1 cr.)
Second Year: FALL	Second Year: SPRING
<u>CHEM 228</u> (1 cr.) <u>PHYS 130</u> (1 cr.) <u>MATH 151</u> * [if not earlier] (1 cr.)	<u>CHEM 230</u> (1 cr.) CHEM 270 (1 cr.) <u>PHYS 132</u> (1 cr.)
Junior Year: FALL	Junior Year: SPRING
<u>CHEM 312</u> (1 cr.) CHEM 350 (0.25 cr.) see notes <u>BIOC 330</u> (1 cr.) see notes	CHEM 322 (1 cr.) (see notes) CHEM 350 (0.25 cr.)
Senior Year: FALL	Senior Year: SPRING
<u>CHEM 325</u> (0.5 cr.) <u>CHEM 340</u> (1 cr.) CHEM 350 (0.25 cr.) CHEM 430 (0.25 cr.)	CHEM 350 (0.25 cr.) CHEM 430 (0.25 cr.)

*CHEM 140 meets the Scientific Inquiry Core requirement

*MATH 151 meets the Quantitative Reasoning in Practice Core requirement

Key:

<p><u>Underline</u> = must be taken in sequence <i>Italics</i> = prerequisites exist * = meets Core Requirement</p>

Additional Notes:

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| <ol style="list-style-type: none"> Some students who do not have sufficient preparation in high school may need to take FYQR 120 (a Core Foundation Course) first. Other students may be placed into MATH 141. If so, students are encouraged to complete MATH 151 as soon as possible. If a student is interested in a health career, BIOL 150 may be taken in the first semester instead of MATH 141 or MATH 151. MATH 151 has a prerequisite. MATH 141 must be completed before taking MATH 151. CHEM 350 must be taken for four semesters for a total of 1 credit. The BA in chemistry requires either BIOC 330 or CHEM 322. |
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Guidelines for Core Requirements:

- Core Foundations area courses – to be completed in the first year.
- Core Inquiry area courses – recommended to complete one each year.
 - At least one Inquiry course is offered within the Major requirements.
- Core Engagement area courses – recommended to complete one each year.
 - Check if an Engagement course is offered within the Major requirements.