

# Advising Course Plan - Chemistry Major 2-Year Plan

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This advising plan shows an example of working through the requirements for the major in two years. It is appropriate for students who have already completed sixteen units of coursework with many of the General Education requirements satisfied by that earlier coursework. The student's individual academic plan will be developed in consultation with an adviser and reviewed each semester prior to registering for the next semester. This plan assumes that the student has completed two units of general chemistry (with lab), two units of organic chemistry (with labs), two units of college or university physics (with labs), and two units of calculus w/analytical geometry prior to the first semester shown in the plan. Students who have completed less than 16 units, have a substantial number of General Education requirements yet to satisfy, or who have not completed the courses just listed may not be able to complete the degree in two years.

Courses for the major that should be completed prior to the first semester of this plan: CHEM 141P (General Chemistry I), CHEM 142P (General Chemistry II), CHEM 201 (Organic Chemistry I), CHEM 301 (Organic Chemistry II), MATH 141Q (Calculus I), MATH 142Q (Calculus II), PHYS 121P or PHYS 141P (College Physics I or University Physics I), PHYS 122P or PHYS 142P (College Physics II or University Physics II). Academic plans requiring the transfer of four courses associated with the major department are reviewed by the dean's office.

<b>First Year</b>		
<b>Fall</b>		
CHEM 202	Inorganic Chemistry	1
CHEM 203 <sup>1</sup>	Physical Chemistry	1
Junior Seminar		1
General Education Requirement or Elective		1
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
CHEM 204	Biochemistry I	1
CHEM 205	Analytical Chemistry	1
CHEM 498 <sup>2</sup>	Research Proposal	1
General Education Requirement or Elective		1
<b>Term Units</b>		<b>4</b>
<b>Second Year</b>		
<b>Fall</b>		
CHEM 499	Senior Project	1
CHEM 300-Level In-Depth Chemistry Course Requirement <sup>3</sup>		1
General Education Requirement or Elective		1
General Education Requirement or Elective		1
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
CHEM 300-Level In-Depth Chemistry Course Requirement <sup>3</sup>		1
General Education Requirement or Elective		1
General Education Requirement or Elective		1
General Education Requirement or Elective		1
<b>Term Units</b>		<b>4</b>
<b>Total Unit: 16</b>		

<sup>1</sup> MATH 142Q and either PHYS 142P or PHYS 122P are prerequisites for this course.

<sup>2</sup> Students must have completed CHEM 201, CHEM 202, CHEM 203, and CHEM 205 and be currently enrolled in CHEM 204 to enroll in CHEM 498.

<sup>3</sup> Students must take TWO in-depth chemistry electives chosen from CHEM 302, CHEM 303, CHEM 304, CHEM 305, CHEM 306, CHEM 307, or CHEM 309.