

Chemistry Major

Required:	<u>Offered</u>	<u>ACS required</u>
107	Fall	321
108	Winter	457
212	Winter	458
215	Fall	S37
217	Fall	S42
218	Winter	
301	Fall	
302 or 310	Winter	
S37 or S42	Short Term	
457 or 458		

Electives

Two courses, or one course with a lab, from the list below following the sorting mechanism described.

If a student takes S42, he or she must take at least one elective from the following list:

223 (analytical spectroscopy)
332 (advanced measurement lab)
321 (biochemistry)
310 or 302 (biophysical chemistry or statistical thermodynamics whichever one was not taken to fulfill the major)
316 (advanced inorganic chemistry)
313 spectral interpretation

If a student takes S37, he or she must take at least one elective from the following list:

S42 synthesis and chemical reactivity short term
223 analytical spectroscopy
325 advanced organic chemistry
321 biochemistry
313 spectral interpretation
316 advanced inorganic chemistry

Students may not take any course pass/fail that is counted towards the major.

Prerequisites

301 quantum requires math 105, 106 and 205, physics 107 prereq or coreq physics 108
302 statistical thermodynamics requires math 105 and 106 prereq or coreq physics 107
310 biophysical chemistry requires math 105 and 106 and physics 107
S37 requires CHEM 301 or CHEM 302 or CHEM 310
S42 requires CHEM 218 and CHEM 215