

**Department of Chemistry
Undergraduate Program Requirements
2006-2007**

BA (General):

CHEM 121L	PHYC 151
CHEM 122L	PHYC 151L
CHEM 253L	PHYC 152
CHEM 301	PHYC 152L
CHEM 302	
CHEM 303L	MATH 180/162
CHEM 304L	MATH 181/163
CHEM 315	
Plus 8 hrs. of Chemistry electives CHEM 415L, 421 (or BIOC 423), 431, 454L, 466, approved CHEM 471 topics, 495-496 (2 hrs. max)	Credit (CR/NC) grade option is not allowed for PHYC & MATH

BA (Pre-Med/Pre-Pharm/Biology):

CHEM 121L	PHYC 151
CHEM 122L	PHYC 151L
CHEM 253L	PHYC 152
CHEM 301	PHYC 152L
CHEM 302	
CHEM 303L	
CHEM 304L	Math 180/162
CHEM 315	Math 181/163
CHEM 421 or BIOC 423	
Plus 5 hrs. of Chemistry electives CHEM 415L, 421, 431, 454L, 466, approved CHEM 471 topics, 495-496 (2 hrs. max)	Credit (CR/NC) grade option is not allowed for Physics & Math

BA Pre-Grad:

CHEM 121L	PHYC 151
CHEM 122L	PHYC 151L
CHEM 253L	PHYC 152
CHEM 301	PHYC 152L
CHEM 302	OR
CHEM 303L	PHYC 160
CHEM 304L	PHYC 161
CHEM 311	PHYC 262
CHEM 312	+ 2 labs chosen from PHYC 160L-262L
CHEM 421 or 431 or 471 (approved topic)	
3 hours of CHEM 495-496	MATH 162
	MATH 163
	MATH 264
	Credit (CR/NC) grade option is not allowed for PHYC & MATH

BS Degree:

CHEM 121L	PHYC 160
CHEM 122L	PHYC 160L
CHEM 253L	PHYC 161
CHEM 301	PHYC 161L
CHEM 302	PHYC 262
CHEM 303L	PHYC 262L
CHEM 304L	
CHEM 311	MATH 162
CHEM 312	MATH 163
CHEM 331L	MATH 264
CHEM 332L	1 course from MATH 311-316
CHEM 415L	
CHEM 431	
CHEM 454L	
6 hrs. CHEM electives: CHEM 325-498 or a combination of 4 credit max of 495-498 + 2 credits of 325-326	Credit (CR/NC) grade option is not allowed for PHYC & MATH

A Distributed Minor:

1 course from Math 311, 314, or 316 and English 219.

*Students wishing to have their BS degree certified by the American Chemical Society should include CHEM 421 in their program of study.

Minor:

CHEM 121L
CHEM 122L
AND
Must complete the course requirements in (2) of the following areas:
Analytical Chemistry: CHEM 253L, 454L
Biological/Biochemistry: 2 courses from CHEM 421, 471, BIOC 423
Inorganic/Physical Chemistry: CHEM 315 (or 311 & 312) and 431
Organic Chemistry: CHEM 301, 302, 303L, 304L
Physical Chemistry: CHEM 311, 312
OR
CHEM 121L
CHEM 122L
AND
Pre-Med/Pre-Pharm/Biology: CHEM 253L or 315, plus 301, 302, 303L, 304L and BIOC 423

Departmental Honors:

The student enters the program at the beginning of the junior year. At this time, the student's GPA must be at least 3.20 overall and 3.50 in Chemistry. This minimum must be maintained throughout the junior and senior years. Course requirements for graduation with honors are as follows: 131L, 132L (or 121L, 122L, 253L), 301, 302, 303L, 304L, 311, 312, 331L, 332L, 415L, 421, 431, 454L and 6 hours of additional courses from 325-498, including at least 3 hours of 497-498. A senior honors thesis will be written based on the senior honors research and submitted to the faculty. An oral presentation will also be made in a departmental or divisional seminar. Honors students will also take the Graduate Record Examination Advanced Test in Chemistry in their senior year and must obtain a satisfactory score.