

The B.S. in Chemistry and the B.S. in Chemistry - Biochemistry Specialization curricula are intended for those students who plan to enter graduate, medical, dental, veterinary, or other professional schools; military service; positions in industry; and teaching. Such a variety of career options are possible due to the number of general electives that are available as a part of these degree plans. A specific curriculum will be developed in consultation with the students academic advisor to fit the students career goals. Students who plan to go to graduate school in chemistry, biochemistry, chemical engineering, medical research or to fill positions in industrial laboratories may elect to take additional courses to qualify for the ACS approved curricula for both the B.S. in Chemistry and B.S. in Chemistry-Biochemistry Specialty degrees.

BS Program

Fall Semester		Spring Semester	
FRESHMAN YEAR	Hours	FRESHMAN YEAR	Hours
ENGL 101	3	ENGL 102	3
CHEM 151	3	CHEM 152	3
CHEM 161	1	CHEM 162	1
MATH 106*	3	MATH 107*	3
HIST	3	HIST	3
RPED		RPED	0
ROTC 101		ROTC 102	0
CIT 101	2		
Semester Total	15 or 16	Semester Total	13 or 14
SOPHOMORE YEAR		SOPHOMORE YEAR	
ENGL 201	3	ENGL 2XX	3
CHEM 207	3	CHEM 208	3
CHEM 217	1	CHEM 218	1
LANG 101	3	LANG 102	3
PHYS 221	3	PHYS 222	3
PHYS 271	1	PHYS 272	1
CSCI 110	3	RPED 251	
RPED 250		ROTC 202	
ROTC 201			

Semester Total	17	Semester Total	14
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Fall Semester		Spring Semester	
JUNIOR YEAR	Hours	JUNIOR YEAR	Hours
CHEM 300	4	CHEM 302	4
CHEM 305	3	CHEM 306	3
Advanced Laboratory*	0 or 1	CHEM 316	1
SOCIAL SCIENCE	3	CHEM 308	2
LANG 201	3	LANG 202	3
Non-departmental Elective*	3	ELECTIVE	3
ROTC 301		ROTC 302	
Semester Total	16,17 or 18	Semester Total	16
SENIOR YEAR		SENIOR YEAR	
CHEM 401	3	ADVANCED CHEM COURSE*	3
CHEM 409	3	ELECTIVE	3
Advanced Laboratory*	0 or 1	ELECTIVE	3
ELECTIVE	3	ELECTIVE	3
ELECTIVE	3	CHEM 420	3
CHEM 419	3	ROTC 402	
ROTC 401			
Semester Total	15 or 16	Semester Total	15

* The approved Advanced Chemistry Course may be one of the following: CHEM 402, CHEM 404, or CHEM 410. The Advanced Lab course may be one of the following: CHEM 315 or CHEM 460. Additionally, students who are seeking ACS certification must take MATH 131/132 as their mathematics courses, MATH 234 in place of an elective in the junior year, and take both Advanced Lab Courses.