

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 - Specialty in Biochemistry

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
BIOL 140/Lab	4	BIOL 141/Lab	4
RPED		RPED	
CIT 101	2	ROTC 102	
ROTC 101			
Semester Total	16 or 17	Semester Total	14 or 15
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
RPED 250		RPED 251	
CSCI 110	3	ROTC 202	
ROTC 201			
Semester Total	17	Semester Total	14

Fall Semester		Spring Semester	
JUNIOR YEAR	Hours	JUNIOR YEAR	Hours
CHEM 300	4	CHEM 306	3
CHEM 305	3	CHEM 316	1
Advanced Laboratory*	0 or 1	CHEM 308	2
Non-departmental Elective*	3	CHEM 410	3
HIST	3	HIST	3
LANG 201	3	LANG 202	3
ROTC 301		ROTC 302	
Semester Total	16, 17 or 18	Semester Total	15
SENIOR YEAR		SENIOR YEAR	
CHEM 401	3	CHEM 302	4
CHEM 409	3	ELECTIVE	3
Advanced Laboratory*	0 or 1	REQUIRED BIOL COURSE** or ELECTIVE	3 or 4
SOCIAL SCIENCE	3	CHEM 420	3
REQUIRED BIOL COURSE** or ELECTIVE	3 or 4	ROTC 402	
CHEM 419	3		
ROTC 401			
Semester Total	15, 16 or 17	Semester Total	13 or 14

* The approved Advanced Chemistry Course may be one of the following: CHEM 402, CHEM 404, or CHEM 410. The Advanced Lab course must be CHEM 460. Students may take either BIOL 308 or BIOL 310 to meet the biology elective. 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.