

Student ID:
Student Name:
Chemistry Major, BS

This major only requires 56 upper division credits, must have 60 upper division credits to graduate.

GENERAL CHEMISTRY Credits: 15 (taken in sequence)		
Course Name:	Credits	Term Taken
CHEM 181 - General Chemistry I	4	
CHEM 181LAB - General Chemistry Laboratory I	1	
CHEM 182 - General Chemistry II	4	
CHEM 182LAB - General Chemistry Laboratory II	1	
CHEM 183 - General Chemistry III <i>Prerequisites: MATH 153 or qualify for MATH 154 on Compass Test</i>	4	
CHEM 183LAB - General Chemistry Laboratory III --OR-- CHEM 193LAB - General Chemistry Laboratory III Honors Lab	1	

ORGANIC CHEMISTRY Credits: 13 (taken in sequence)		
Course Name:	Credits:	Term Taken
CHEM 361 - Organic Chemistry I (<i>Corequisite Chem 183</i>)	3	
CHEM 361LAB - Organic Chemistry Laboratory I	2	
CHEM 362 - Organic Chemistry II	3	
CHEM 363 - Organic Chemistry III	3	
CHEM 363LAB - Organic Chemistry Laboratory III	2	

UPPER DIVISION CHEMISTRY Credits: 34		
Course Name:	Credits:	Term Taken
CHEM 332 - Quantitative Analysis (<i>Chem 183 and Chem 183 Lab</i>)	3	
CHEM 332LAB - Quantitative Analysis Laboratory	2	
CHEM 350 - Inorganic Chemistry (<i>Chem 183 and PHYS 113/123/183</i>)	3	
CHEM 431 - Biochemistry I (<i>Chem 362</i>)	3	
CHEM 431LAB - Biochemistry Laboratory (<i>Chem 361Lab</i>)	2	
CHEM 452 - Instrumental Analysis Lecture (<i>Chem 332 and Chem 332 Lab</i>)	3	
CHEM 452LAB - Instrumental Analysis Laboratory	2	
CHEM 488 - Colloquium (<i>expected in Wtr or Spr of final year</i>)	1	
CHEM 381 - Physical Chemistry I (<i>Chem 183 and Chem 183 Lab, Math 272, and PHYS 113/123/183 with labs</i>)	5	
CHEM 382 - Physical Chemistry II (<i>Chem 381</i>)	3	
CHEM 382LAB - Integrated Physical/Inorganic Lab I	2	
CHEM 383 - Physical Chemistry III (<i>Chem 382</i>)	4	
CHEM 383LAB - Integrated Physical/Inorganic Lab II (<i>Chem 382 Lab</i>)	1	

turn page over for more requirements

PHYSICS CREDITS: 15
Course Name:
PHYS 111, 112, 113 with Labs --OR-- PHYS 121, 122, 123
--OR-- PHYS 181,182,183 with Labs

CALCULUS CREDITS: 15
Course Name:
MATH 172 , 173, 272

Department Approved Electives: 9 credits required
 > To receive a Bachelor of Science degree certified by the American Chemical Society, department approved electives must consist of a total of 9 credits taken from this list **including at least one lab credit +**

Course Names:	Credits:	Term Taken
CHEM 345 Environmental Chemistry (<i>Chem 183</i>) +	5	
CHEM 432 Biochemistry II (<i>Chem 431</i>)	3	
CHEM 433 Biochemistry III (<i>Chem 431</i>)	3	
CHEM 433LAB Biochemistry III (<i>Chem 431</i>) +	2	
CHEM 473 Transition Metal Chemistry (<i>Chem 350 / 382</i>)	3	
CHEM 492 Lab Experience in Teaching Chemistry +	2 (max)	
CHEM 490 Cooperative Education (<i>Prior Approval</i>) +		
CHEM 295, 395, or 495 Research ** +		
CHEM 500 level course with instructor permission		

*** A combined maximum of 6 credits may be applied from CHEM 295, 395, 490, and 495. To count towards the ACS certified degree, the student is required to turn in a comprehensive research report prior to graduation.*

Notes: