

## Program for B. S. CHEMISTRY/BIOCHEMISTRY majors entering as Freshmen

Academic Year	FALL	SPRING	SUMMER
Freshman	CHM 2045/L General Chemistry I/ lab MAC 2311 Calculus I BOT 2010/L General Botany/lab	CHM 2046/L General Chemistry II / lab MAC 2312 Calculus II ZOO 1010/L General Zoology/lab	
Sophomore	CHM 2210/L Organic I / lab PHY 2048/L Physics I / lab	CHM 2211/L Organic II / lab PHY 2049/L Physics II / lab	
Junior	CHM 3410 Physical Chemistry I CHM 3230 Organic III CHM 3740L Advanced lab Techniques	CHM 3411 Physical Chemistry II CHM 3741L Physical Chemistry CHM 3120/L Analytical / lab	
Senior	CHM 4611 Inorganic Chemistry Elective* Chemistry Elective*	CHM 4610L Inorganic Synthesis lab Chemistry Elective* Chemistry Elective*	<b>Total Prerequisite Credits 24</b> <b>Total Chemistry Credits 55</b> <b>Upper Division Chemistry 36-39</b> <b>Upper Division Biology 8</b>

\*Student must complete four of the following course (Two from each group):

Group A: BCH 3034/L Biochemistry II; PCB 3063/L Genetics/lab; MCB 3020/L Microbiology/lab; or PCB 4524/L Molecular Biology/lab

Group B: CHM 4512 Computational Chemistry; CHM 4455/L Polymer Chemistry; CHM 4130/L Instrumental Analysis; CHM 4930 Advanced Topics in Chemistry; CHM 4714C Materials, Chemistry, and Engineering; or CHM 4912 Undergraduate Chemistry Research

Undergraduate research is a 2-4 credit course, and a formal written report must be completed by the student in order to fulfill the advanced course requirement. A formal thesis must be written and presented to the department for those students who take this course twice for a total of 6 credits and use this course for both Chemistry electives.