Bachelor of Arts in Computer Science, Plus Chemistry Minor

Courses needed for BACS		
Core General Education (24 credit hours)	**Credits**	**Notes**
ENGL 1020 Core Composition I	3	
ENGL 2030 Core Composition II	3	
Social Science	3	
Behavioral Science	3	
Humanities	3	
Arts	3	
Cultural Diversity	3	
International Perspectives	3	
Math (7 credit hours)		
MATH 1401 Calculus I	4	
Any additional 2000+ level Math Class	3	
Science (8 credit hours) **A sequence of 2 Natural or Physical Sciences with lab**		
General Chemistry I and lab (CHEM 2031 and 2038)	4	Counts for Chemistry reqmnt
General Chemistry II with lab (CHEM 2061 and CHEM 2068)	5	Counts for Chemistry reqmnt
CS Core (22 credit hours)		
CSCI 1410 Fundamentals of Computing	3	
CSCI 1411 Fundamentals of Computing Lab	1	
CSCI 2312 Object-Oriented Programming	3	
CSCI 2421 Data Structures & Programming Design	3	
CSCI 2511 Discrete Structures	3	
CSCI 3287 Database Systems	3	
CSCI 3412 Algorithms	3	
CSCI 3508 Introduction to Software Engineering	3	
CS Technical Electives (21 credit hours)		
CS Elective	3	
CS Elective	3	
CS Elective	3	
CS Elective	3	
CS Elective	3	
CS Elective	3	
CS Elective	3	
Free Electives (38 credit hours) Students Area of Concentration	22	16 credits fulfilled by Chemistry minor
Courses needed for Chemistry Minor		
Chemistry Courses (16 credit hours)		
General Chemistry I and lab (CHEM 2031 and 2038)		satisfied above
General Chemistry II with lab (CHEM 2061 and CHEM 2068)		satisfied above
CHEM 3411 Organic Chemistry I	4	Counts for CS free elective
CHEM 3421 Organic Chemistry II	4	Counts for CS free elective
Chemistry Upper Division Course CHEM 3011 Inorganic Chemistry or CHEM 3111 Analytical Chemistry	3	Counts for CS free elective
Chemistry Upper Division Lab (1-2 credit hours)	2	Counts for CS free elective
Chemistry Upper Division Elective	3	Counts for CS free elective
Total Credits for BACS Plus Chemistry minor	**121**	
Minimum Credits to **BA in CS and Chemistry Minor**	**120**	

Note: This checklist was created based on 2019-20 catalog year requirements. See your advisor to create your CS+ plan of study.