

BS Chemistry Suggested Course Plan

Computational Chemistry Concentration

First Year

Fall		Spring	
CHEM A111 - General Chemistry I	4	CHEM A112 - General Chemistry II	4
MATH A111 - Pre-Calculus I	3	MATH A112 - Pre-Calculus II	3
ENGL A101 - Composition	3	ENGL A102 - Comp. & Literature	3
BIOL A121 - Biological Science I	4	CSCI - A125 - Intro. to Comp. Sci.	3
		Other General Education	3

Second Year

Fall		Spring	
CHEM A331 - Organic Chemistry I	3	CHEM A332 - Organic Chemistry II	3
CHEM A331L - Organic Chemistry Lab I	1	CHEM A332L - Organic Chemistry Lab II	1
PHYS A201 or A211 - Physics I	4	PHYS A202 or A212 - Physics II	4
MATH A141 - Calculus I	4	MATH A142 - Calculus II	4
MATH A174 - Discrete Math for Comp. Sci.	3	CHEM A310 - Research Methods	1
		Other General Education	3

Third Year

Fall		Spring	
Chemistry Subject Block 1 (Intro.)	4	Chemistry Subject Block 1 (Adv.)	4/5
Chemistry Subject Block 2 (Intro.)	4	Chemistry Subject Block 2 (Adv.)	4/5
Other General Education	3	Other General Education	3
CSCI A145 - Intro. to Algor. Design I	4	CSCI A146 - Intro. to Algor. Design II	4

Fourth Year

Fall		Spring	
Chemistry Subject Block 3 (Intro.)	4	Chemistry Subject Block 3 (Adv.)	4/5
Chemistry Subject Block 4 (Intro.)	4	Other General Education	3
CHEM A499 - Senior Research	1-3	CHEM A499 - Senior Research	1-3
CSCI A275 - Physics Engine Integration	3	Elective	3
Other General Education	3		