

Bachelor of Science in Chemistry  
Biochemistry Concentration



**Chemistry and Physics**  
University of South Carolina Aiken

### First Year

1st Semester			2nd Semester		
Course	Title	hrs	Course	Title	hrs
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	Other GEN ED.		3
			Other GEN ED.		3

### Second Year

1st Semester			2nd Semester		
Course	Title	hrs	Course	Title	hrs
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
Other GEN ED.		3	CHEM A310	Research Methods	1
			Other GEN ED.		3

### Third Year

1st Semester			2nd Semester		
Course	Title	hrs.	Course	Title	Hr
Chem Subject Block 1 (intro)		4	Chem Subject Block 1		4/5
Chem Subject Block 2 (intro)		4	Chem Subject Block 2		4/5
Other General Education		3	Elective		3
BIOL A122	Biological Science II	4	Elective		3

### Fourth Year

1st Semester			2nd Semester		
Course	Title	hrs	Course	Title	hrs
Chem Subject Block 3 (intro.)		4	Chem Subject Block 3 (Adv.)		4/5
Chem Subject Block 4 (intro.)		4	BIOL A350 or A360		3/4
CHEM A499	Senior Research	1-3	CHEM A499	Senior Research	1-3
BIOL A502	Adv. Cell/ Molecular Biology	3	ELECTIVE		3
Other General Education		3	ELECTIVE		3