

B.S. Chemistry, Biochemistry Emphasis
4-year Plan Sheet
(Students who begin in 2015-2016)

Check degree audit for Christian Service requirements.

Freshman Year

<u>Fall Semester</u>	<u>Hours</u>	<u>Winter Semester</u>	<u>Hours</u>
_____ CHEM 151: Gen. Chem. I	4	_____ CHEM 152: Gen. Chem. II	4
_____ BIOL 151: Gen. Biol. I	4	_____ BIOL 152: Gen. Biol. II	4
_____ ENGL 101: College Comp. I	3	_____ MATH 191: Calculus I	4
_____ NOND 101: Southern Conn.	1	_____ ENGL 102: College Comp. II	3
_____ PEAC 125: Fitness for Coll. Life	1	_____ Computer Concepts (I-2-b)	<u>1</u>
_____ RELB 125 or RELT 177 (R-1)	<u>3</u>		
	16		16

Sophomore Year

<u>Fall Semester</u>	<u>Hours</u>	<u>Winter Semester</u>	<u>Hours</u>
_____ CHEM 311: Org. Chem. I	4	_____ CHEM 312: Org. Chem. II	4
_____ PHYS 211: Gen. Physics I ¹	3	_____ CHEM 315: Quant. Analysis	4
_____ PHYS 213: Gen. Physics I Lab ¹	1	_____ PHYS 212: Gen. Physics II ¹	3
_____ COMM 135: Intro. Pub. Speak.	3	_____ PHYS 214: Gen. Physics II Lab ¹	1
_____ History (I-3-a)	3	_____ RELT 138, 225, or 255 (R-2)	3
_____ Health Science (P-2)	<u>2</u>	_____ Physical Activity (P-1-b)	<u>1</u>
	16		15

Junior Year

<u>Fall Semester</u>	<u>Hours</u>	<u>Winter Semester</u>	<u>Hours</u>
_____ CHEM 361: Biochemistry I	4	_____ CHEM 362: Biochemistry II	3
_____ BIOL 311 Genetics	4	_____ CHEM 363: Biochemistry Lab	1
_____ Personal/Social Adj. (S-2)	3	_____ CHEM 385: Chem. Seminar	1
_____ Civil. & Global Perspectives (I-3)	3	_____ MATH 192: Calculus II ²	4
_____ Computer Skills (I-2-c)	1	_____ Biblical Studies (R-3)	3
_____ Physical Activity (P-1-b)	<u>1</u>	_____ Aesth./Skills Dev. (S-3)	<u>3</u>
	16		15

Senior Year

<u>Fall Semester</u>	<u>Hours</u>	<u>Winter Semester</u>	<u>Hours</u>
_____ CHEM 411: Phys. Chem. I (W)	4	_____ CHEM 425: Adv. Org. Chem. ⁴	3
_____ CHEM 497: Intro. Research (W)	1	_____ PEAC 425: Fit for Hire	1
_____ BIOL 340, 412, or 418 ³	3-4	_____ U.D. Religion (W)	3
_____ Econ. & Bus. Basics (I-5)	3	_____ Aesth./Skills Dev. (S-3)	3
_____ Computer Skills (I-2-c)	1	_____ Electives	<u>4</u>
_____ Electives	<u>3</u>		
	15-16		14

¹PHYS 221-224 may be substituted.

²To meet the recommendations of the American Society for Biochemistry and Molecular Biology and the American Chemical Society, MATH 192 must be taken. However, MATH 215 (Statistics) may be taken to fulfill the requirements for the degree.

³One or more of these courses is often taught during the **winter** semester; check the course schedule and check with your adviser.

⁴CHEM 425 would count as your chemistry elective; this may be replaced with a different upper-division chemistry course offered during your junior or senior year such as CHEM 321, 415, or 435.