

B.A. Chemistry  
4-year Plan Sheet  
(Students who begin in 2022-2023)

**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
_____ MATH 120: Precal. Alg. <sup>1</sup>	3	_____ MATH 121: Precal. Trig. <sup>1</sup>	2
_____ ENGL 101	3	_____ ENGL 102	3
_____ NOND 101: Southern Conn.	1	_____ RELB 125 or RELT 177 (R-1)	3
_____ PEAC 125: Fitness for Coll. Life	1	_____ Minor	4
_____ Minor	4		
	<b>16</b>		<b>16</b>

**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
_____ MATH 191: Calculus I	4	_____ CHEM 315: Quant. Analysis	4
_____ COMM 135: Comm. Pub. Speak.	3	_____ MATH 215: Statistics (IN-4) or	
_____ Human Development (IN-8)	3	_____ MATH 192: Calculus II <sup>2</sup>	3-4
_____ CPTC 100: Comp. Conc. (IN-5)	1	_____ RELT 138, 225, or 255 (R-2)	3
	<b>15</b>	_____ Physical Activity (P-1b)	1
			<b>15-16</b>

**Junior Year**

<u>Fall Semester</u>	<u>Hours</u>	<u>Winter Semester</u>	<u>Hours</u>
_____ U.D. CHEM elective <sup>3</sup>	3	_____ CHEM 385: Chemistry Seminar	1
_____ PHYS 211: Gen. Physics I <sup>4</sup>	3	_____ PHYS 212: Gen. Physics II <sup>4</sup>	3
_____ PHYS 213: Gen. Physics I Lab <sup>4</sup>	1	_____ PHYS 214: Gen. Physics II Lab <sup>4</sup>	1
_____ Minor	3	_____ Bibl. Stud. (not RELB 125) (R-3)	3
_____ Language (if needed) or Elective	3	_____ Language (if needed) or Elective	3
_____ U.D. Elective	2	_____ U.D. Minor	4
_____ Physical Activity (P-1b)	1		
	<b>16</b>		<b>15</b>

**Senior Year**

<u>Fall Semester</u>	<u>Hours</u>	<u>Winter Semester</u>	<u>Hours</u>
_____ CHEM 411: Phys. Chem. I (W)	4	_____ PEAC 425: Fit for Hire	1
_____ CHEM 496: Intro. Research (W)	1	_____ Steward., Bus, & Econ. (IN-9)	3
_____ CHEM 498: Research in Chem.	1	_____ U.D. Religion (R-4) (W)	3
_____ U.D. Minor	3	_____ Aesthetic Analysis (IN-10)	3
_____ U.D. Electives	3	_____ Electives	3
_____ Historical Perspectives (IN-6)	3	_____ U.D. Electives	3
	<b>15</b>		<b>16</b>

<sup>1</sup>MATH 191 (Calculus I) may be taken if you have already taken Precalculus Algebra and Trigonometry at the college level or have a math ACT score of 24 or higher. Talk to your advisor regarding the math course for winter semester.

<sup>2</sup>Only MATH 215 fulfills general education requirements in area IN-4. MATH 192 counts toward the B.A. in Chemistry, but MATH 215 must also be taken to fulfill general education requirements for graduation.

<sup>3</sup>CHEM Elective: Check with your advisor to determine which chemistry courses will be offered during your junior and senior years. Physical Chem. II and Inorganic Chem. will be offered **every other year** during the same winter semester, while Instr. Analysis and Adv. Org. Chem. will be offered **every other year** in the alternate fall and winter semester. If you wish to take Biochemistry I as your elective, it is offered during the fall semester **every year**.

<sup>4</sup>PHYS 221-224 may be substituted.