

A.S. Chemistry
2-year Plan Sheet
(Students who begin in 2023-2024)

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 191: Calculus I ¹	4	_____ MATH 192: Calculus II ²	4
_____ ENGL 101	3	_____ ENGL 102	3
_____ NOND 101: Southern Conn.	1	_____ Historical Perspectives (IN-6)	3
_____ PEAC 125: Fitness for Coll. Life	1	_____ CPTC 100: Comp. Conc. (IN-5)	1
_____ RELB 125 or RELT 177 (R-1)	3	_____ Electives	1
	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 221: Phys. Sci. & Eng. I ³	4	_____ PHYS 222: Phys. Sci. & Eng. II ³	4
_____ PHYS 223: Phys. Sci. Eng. Lab ³	1	_____ PHYS 224: Phys. Sci. Eng. Lab ³	1
_____ RELT 138, 225, or 255 (R-2) ⁴	3	_____ Human Development (IN-8)	3
_____ COMM 135: Comm. Pub. Speak.	3	_____ Electives ⁵	4
_____ Electives ⁵	1		
	16		16

¹MATH 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 this semester.

²MATH 192 (Calculus II) is a prerequisite for PHYS 222. If PHYS 211 & PHYS 212 are taken instead of PHYS 221 & PHYS 222, MATH 215 (Statistics) may be taken to fulfill degree requirements. If MATH 215 is taken, one additional elective credit must be taken to fulfill degree requirements.

³PHYS 211 & PHYS 212 may be taken instead of PHYS 221 & PHYS 222, and PHYS 213 & PHYS 214 may be taken instead of PHYS 223 & PHYS 224. If PHYS 211-214 are taken, two additional elective credits are required to fulfill degree requirements. Students planning to pursue a B.S. degree in Chemistry following completion of the A.S. degree must take PHYS 221-224.

⁴Courses with the RELB prefix (except for RELB 125, 255, 455, and 497) may also be taken to fulfill religion requirements for the A.S. degree.

⁵CHEM 205 (Tutoring Chemistry) is a recommended one-credit elective that fulfills Christian Service requirements. CHEM 315 (Quantitative Analysis) is a highly recommended four-credit elective for students pursuing a four-year chemistry degree or employment in chemistry following completion of the A.S. degree.