

A.S. Chemistry

2020-2021 Sample Course Schedule — *This is a recommended schedule and may be altered as needed. Consult your adviser when making changes. See degree audit for Christian Service requirements.*

FALL			WINTER		
FIRST YEAR					
CHEM 151	General Chemistry I	4	CHEM 152	General Chemistry II	4
MATH 191	Calculus I ¹	4	MATH 192	Calculus II ²	4
ENGL 101	Critical Think in Ac Rdg & Wrtg I	3	ENGL 102	Critical Think in Ac Rdg & Wrtg II	3
NOND 101	Southern Connections	1		Historical Perspectives (IN-6)	3
PEAC 125	Fitness for Collegiate Life	1		CPTC 100: Comp. Conc. (IN-5)	1
	RELB 125 or RELT 177 (R-1)	<u>3</u>		Electives	<u>1</u>
		16			16
SECOND YEAR					
CHEM 311	Organic Chemistry I	4	CHEM 312	Organic Chemistry II	4
COMM 135	Comm. & Public Speaking	3	PHYS 222	University Physics II ³	4
PHYS 221	University Physics I ³	4	PHYS 224	University Physics II Lab ³	1
PHYS 223	University Physics Lab ³	1		PSYC 128 or SOCI 125 (IN-8)	3
	RELT 138, 225, or 255 (R-2) ⁴	3		Electives ⁵	<u>4</u>
	Electives	<u>1</u>			16
		16			
TOTAL HOURS					64

¹ 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 this semester.

² MATH 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.

³ PHYS 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 should take PHYS 221-224.

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

⁵ CHEM 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.