

# B.A. 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.*

<b>FALL</b>		<b>WINTER</b>			
<b>FIRST YEAR</b>					
CHEM 151	General Chemistry	4	CHEM 152	General Chemistry	4
MATH 120	Pre-calculus Algebra*	3	MATH 121	Pre-calculus Trigonometry	2
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	RELB 125 <b>or</b> RELT 177 (R-1)		3
PEAC 125	Fitness for Collegiate Life	1	Minor		<u>4</u>
	Minor	<u>4</u>			<b>16</b>
		<b>16</b>			
<b>SECOND YEAR</b>					
CHEM 311	Organic Chemistry	4	CHEM 312	Organic Chemistry	4
MATH 191	Calculus I	4	CHEM 315	Quantitative Analysis	4
COMM 135	Comm. & Public Speaking	3	MATH 215	Statistics (IN-4)**	3
CPTC 100	Computer Concepts (IN-5)	1	RELT 138, 225, <b>or</b> 255 (R-2)		3
	PSYC 128 <b>or</b> SOCI 125 (IN-8)	<u>3</u>	Physical Activity (P-1b)		<u>1</u>
		<b>15</b>			<b>15</b>
<b>THIRD YEAR</b>					
PHYS 211	General Physics I****	3	CHEM 385	Chemistry Seminar	1
PHYS 213	General Physics I Lab****	1	PHYS 212	General Physics II****	3
	Minor	3	PHYS 214	General Physics II Lab****	1
	Foreign Lang. (if required) <b>or</b> Elective	3		Biblical Studies except 125 (R-3)	3
	Physical Activity (P-1b)	1		Foreign Lang. (if required) <b>or</b> Elective	3
	U.D. CHEM Elective***	3		U.D. Minor	<u>4</u>
	U.D. Elective	<u>2</u>			<b>15</b>
		<b>16</b>			
<b>FOURTH YEAR</b>					
CHEM 411	Physical Chemistry I (W)	4	PEAC 425	Fit for Hire	1
CHEM 496	Intro. Research (W)	1		Stewardship, Business, & Econ (IN-9)	3
CHEM 498	Research in Chemistry	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)	<u>3</u>		U.D. Electives	<u>3</u>
		<b>15</b>			<b>16</b>
<b>TOTAL HOURS</b>					<b>124</b>

\*If you have already taken Precalculus Algebra, Math 191 (Calculus I) may be taken fall semester. Talk to your advisor regarding the math course for winter sem.

\*\*Only MATH 215 counts toward general education requirements in area IN-4. MATH 192 may be taken as an elective.

\*\*\*CHEM Elective: Check with your adviser to determine which chemistry courses will be offered during your junior and senior years. Physical Chemistry II and Inorganic Chemistry will be offered the same winter semester, while Adv. Organic Chemistry will be offered in the alternate winter semester. If you wish to take Biochemistry I or Instrumental Analysis as your elective, it is offered during the fall semester. (Instrumental Analysis in alternate years)

\*\*\*\*PHYS 221-224 may be substituted.

**May need 6 hrs. elementary foreign language if not 2 years in high school.**