

# B.S. Chemistry-Biochemistry

**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>					
BIOL 151	General Biology I	4	BIOL 152	General Biology II	4
CHEM 151	General Chemistry I	4	CHEM 152	General Chemistry II	4
ENGL 101	Critical Think in Ac Rdg & Wrtg I	3	CPT 100	Computer Concepts (IN-5)	1
NOND 101	Southern Connections	1	ENGL 102	Critical Think in Ac Rdg & Wrtg II	3
PEAC 125	Fitness for Collegiate Life	1	MATH 191	Calculus I	<u>4</u>
	RELB 125 or RELT 177 (R-1)	<u>3</u>			<b>16</b>
		<b>16</b>			
<b>SECOND YEAR</b>					
CHEM 311	Organic Chemistry I	4	CHEM 312	Organic Chemistry II	4
COMM 135	Comm. & Public Speaking	3	CHEM 315	Quantitative Analysis	4
PHYS 211	General Physics I****	3	PHYS 212	General Physics II****	3
PHYS 213	General Physics Lab I****	1	PHYS 214	General Physics II Lab****	1
	Historical Perspectives (IN-6)	<u>3</u>		Physical Activity (P-1b)	1
		<b>14</b>		RELT 138, 255 or 255 (R-2)	<u>3</u>
					<b>16</b>
<b>THIRD YEAR</b>					
CHEM 361	Biochemistry I	4	CHEM 362	Biochemistry II	3
BIOL 311	Genetics	4	CHEM 363	Biochemistry Lab	1
MATH 215	Statistics (IN-4)	3	CHEM 385	Chemistry Seminar	1
	Physical Activity (P-1b)	1	CHEM 425	Adv. Organic Chemistry**	3
	PSYC 128 or SOCI 125	<u>3</u>		Biblical Studies except 125 (R-3)	3
		<b>15</b>		Aesthetic Analysis (IN-10)	3
				Electives	<u>2</u>
					<b>16</b>
<b>FOURTH YEAR</b>					
CHEM 411	Physical Chemistry I (W)	4	MATH 192	Calculus II***	4
CHEM 496	Introduction to Research (W)	1	PEAC 425	Fit for Hire	1
CHEM 498	Research in Chemistry	1		U.D. Religion (R-4) (W)	3
	BIOL 340, 412, or 418*	3-4		Electives	<u>8</u>
	Stewardship, Business, & Econ (IN-9)	3			<b>16</b>
	Electives	<u>3</u>			
		<b>15-16</b>			
<b>TOTAL HOURS</b>					<b>124-125</b>

\*One or more of these classes may be taught during winter semester; check with your adviser

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

\*\*\*To meet the recommendations of the American Society for Biochemistry and Molecular Biology and the American Chemical Society, MATH 192 Calculus II must be taken. However, MATH 215: Statistics is sufficient to fulfill the requirements for the degree.

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