

**BACHELOR OF SCIENCE IN CHEMISTRY: BIOCHEMISTRY**

**Total Hrs: 122**

**FRESHMAN YEAR**

DEPT	COURSE NAME	CREDIT HRS		DEPT	COURSE NAME	CREDIT HRS
Institutional Course	Student Success [Area B]	1		ENG 102	Rhetoric and Literature [Area A1]	3
ENG 101	Writing and Rhetoric [Area A1]	3		BIO 102	Core Elective [Area F]	3
BIO 101	Lab Science [Area D]	3		BIO 102L	General Biology II Lab	1
BIO 101L	Lab Science [Area D]	1		CHM 112	General Chemistry II	3
CHM 111	General Chemistry I	3		CHM 112L	General Chemistry II Lab	1
CHM 111L	General Chemistry I Lab	1		OPTION	CHR 100/CHR110 [Area B]	3
MTH 102	Quantitative Skills [Area A2]	3		PSY 201	Social Science Course [Area E]	3
	<b>TOTAL</b>	<b>15</b>			<b>TOTAL</b>	<b>17</b>

**SOPHOMORE YEAR**

DEPT	COURSE NAME	CREDIT HRS		DEPT	COURSE NAME	CREDIT HRS
CHM 335	Organic Chemistry I	4		CHM 336	Organic Chemistry II	4
CHM 331	Light and Matter	3		OPTION	Literature [Area C]	3
MTH 111	Precalculus	3		OPTION	CHR 101/CHR 102 [Area B]	3
OPTION	HIS 151 or HIS 152 [Area E]	3		OPTION	History Course 2 [Area E]	3
PE 205	PE 205 or HEA 211 [Area B]	2		OPTION	Fine Art, Language, or Culture [Area C]	3
	<b>TOTAL</b>	<b>15</b>			<b>TOTAL</b>	<b>16</b>

**JUNIOR YEAR**

DEPT	COURSE NAME	CREDIT HRS		DEPT	COURSE NAME	CREDIT HRS
MTH 204	Calculus I	4		PHY 203	General Physics II	4
PHY 201	General Physics I	4		CHM 339	Biochemistry II	3
CHM 338	Biochemistry I	3		CHM 340	Biochemistry Lab	2
CHM 440	Biochemistry Seminar	1		CHM 321	Analytical Chemistry	4
OPTION	BIO 202, 410	4		OPTION	BIO 203, 300	4
	<b>TOTAL</b>	<b>16</b>			<b>TOTAL</b>	<b>17</b>

**SENIOR YEAR**

DEPT	COURSE NAME	CREDIT HRS		DEPT	COURSE NAME	CREDIT HRS
CHM 400	Physical Chemistry for the Life Sciences	3		CHM 410	Bioinorganic Chemistry	3
CHM 450	Research Proposal Writing	1		CHM 460	Introduction to Research	3
CHM 430	Special Topics in Chemistry (or Physics)	3		CHM 420	Communicating Scientific Literature	3
MTH 104	Elementary Statistics	3		BIO 370	Introduction to Microbiology	4
OPTION	PSY class (300-400 level)	3				
	<b>TOTAL</b>	<b>13</b>			<b>TOTAL</b>	<b>13</b>