

B.S. CHEMISTRY DEGREE REQUIREMENTS (2021-2022)
Biochemistry Concentration

Student Name: _____

Mentor: _____

GENERAL EDUCATION CORE REQUIREMENTS

Course	Credit Hrs.	Term Taken	Grade
First Year Experience FYE 101	1	_____	_____
FYE 102 or approved substitute	1	_____	_____
English ENG 101/101E.....	3	_____	_____
ENG 102/103	3	_____	_____
Literature ENG <u>201, 202, 203, 204, 205, or 206</u>	3	_____	_____
History HIS <u>111, 112, 201 or 202</u>	3	_____	_____
Religion/Philosophy			
REL 241	3	_____	_____
Fine Arts (3 hours selected from ART 121, ART 131, ART 143, ART 211, ART 251, MUS 231, MUS 233, MUS 235, MUS 236, or ENG/DRA 131)			
_____	3	_____	_____
Additional Humanities (Choose an additional course from the Literature, History, Religion/Philosophy, or Fine Arts choices)			
_____	3	_____	_____
Speech ENG/COMM 221	3	_____	_____
Math MAT 142	4	_____	_____
Natural Science			
(8 hours selected from BIO 111/115, BIO 112/116, BIO 114, CHE 111, CHE 112, PHY 101, PHY 102, PHY 105, PHY 241, PHY 242, PHY 251, or PHY 252)			
PHY 241	4	_____	_____
PHY 242	4	_____	_____
Physical Education (any activity course)			
HPPE _____	1	_____	_____
Social Sciences (3 hours selected from PSY 113, SOC 211, BUS 201 BUS 202, or HIS 221)			
_____	3	_____	_____
<u>For B.S. Degree – Computer Literacy</u>			
MIS 110, 220, or CS 110	3	_____	_____

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Required Chemistry Courses	<u>34</u>		
CHE 111 General Chemistry I.....	4	_____	_____
CHE 112 General Chemistry II	4	_____	_____
CHE 211 Organic Chemistry I.....	4	_____	_____
CHE 212 Organic Chemistry II	4	_____	_____
CHE 311 Analytical Chemistry	4	_____	_____
CHE 411 Biochemistry I.....	3	_____	_____
CHE 412 Biochemistry II	3	_____	_____
CHE 413 Biochemistry Methods.....	3	_____	_____
CHE 421 Physical Chemistry I.....	4	_____	_____
CHE 480 Seminar	1	_____	_____
Required Chemistry Capstone (choose one).....	<u>1-3</u>		
CHE 490 Senior Research Capstone	3	_____	_____
CHE 491 Senior Prospectus Capstone	1	_____	_____
Chemistry Electives (Choose from the following)	<u>3-4</u>		
CHE 312 Instrumental Analysis	4	_____	_____
CHE 322 Environmental Chemistry	4	_____	_____
CHE 395 Special Topics.....	3	_____	_____
CHE 422 Physical Chemistry II.....	4	_____	_____
CHE 495 Independent Study	1-3	_____	_____
CHE 498 Chemistry Internship.....	1-3	_____	_____
Other Required Courses	<u>24</u>		
BIO 111/115 General Biology I.....	4	_____	_____
BIO 112/116 General Biology II	4	_____	_____
BIO 261 Microbiology.....	4	_____	_____
BIO 301 Genetics.....	4	_____	_____
BIO 331 Cell Biology	4	_____	_____
MAT 241 Calculus II.....	4	_____	_____
Electives**	<u>10-13**</u>		
Upper Level**		_____	_____
Upper Level**		_____	_____
Upper Level**		_____	_____
Upper Level**		_____	_____
.....		_____	_____
Total Hours Required for the Degree	<u>120**</u>		

* Minimum 2.0 GPA required for graduation

** A minimum of 42 hours must be earned in courses numbered 300 or above