

B.S./B.A. CHEMISTRY DEGREE REQUIREMENTS (2019-2020)
Emphasis in Biochemistry

Student Name: _____

Mentor: _____

GENERAL EDUCATION CORE REQUIREMENTS

Course	Credit Hrs.	Term Taken	Grade
First Year Experience FYE 101.....	1	_____	_____
English ENG 101/101E.....	3	_____	_____
ENG 102/103	3	_____	_____
Literature (3 hours selected from ENG 201, 202, 203, 204, 205, or 206)			
ENG _____	3	_____	_____
Speech ENG/COMM 221.....	3	_____	_____
Humanities, Writing, or Speech (May be satisfied by completing 6 sequential hours of literature, or an upper level literature, writing, speech, history, or religion / philosophy course)			
_____.....	3	_____	_____
Computer Literacy			
MIS 110, 220, or 240	3	_____	_____
Religion/Philosophy			
REL 101 or 102.....	3	_____	_____
REL 241	3	_____	_____
History (6 sequential hours 111-112 or 201-202)			
HIS 111 or 201	3	_____	_____
HIS 112 or 202.....	3	_____	_____
Math MAT 142.....	5	_____	_____
Natural Science			
PHY 241.....	4	_____	_____
PHY 242.....	4	_____	_____
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	_____	_____
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	_____	_____
 <i>Satisfies B.S. Degree Requirement – Required Math Course</i>			
MAT 241.....	4	_____	_____
 <i>For B.A. Degree ONLY – Additional Intermediate Foreign Language</i>			
FLG 2 _____	3	_____	_____
FLG 2 _____	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.....	3	_____	_____
CHE 495 Independent Study.....	1-3	_____	_____
CHE 498 Chemistry Internship.....	1-3	_____	_____
Required Biology Courses	<u>20</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	_____	_____
Electives**	<u>0-8**</u>		
Upper Level**		_____	_____
Upper Level**		_____	_____
Upper Level**		_____	_____
Upper Level**		_____	_____
.....		_____	_____
Total Hours Required for the Degree	<u>121**</u>		

* Minimum 2.0 GPA required for graduation

** A minimum of 45 hours must be earned in courses numbered 300 or above