

B.A./B.S. BIOLOGY DEGREE REQUIREMENTS (2020-2021)

Emphasis in Biomedical Sciences and Biotechnology

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 <u>MIS 110, 220, or 240</u>	3	_____	_____
Religion/Philosophy			
REL <u>101 or 102</u>	3	_____	_____
REL 241	3	_____	_____
History (6 sequential hours 111-112 or 201-202)			
HIS <u>111 or 201</u>	3	_____	_____
HIS <u>112 or 202</u>	3	_____	_____
Math MAT <u>141 or 142</u>	5	_____	_____
Natural Science			
CHE 111	4	_____	_____
CHE 112	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	_____	_____
<u>For B.S. Degree ONLY</u> - Additional Math, Science, or Social Science			
_____	3	_____	_____
<u>For B.A. Degree ONLY</u> – Additional Intermediate Foreign Language			
FLG 2 _____	3	_____	_____
FLG 2 _____	3	_____	_____

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Courses	Credit Hrs.	Term Taken	Grade
Required Chemistry Courses	<u>8</u>		
CHE 211 Organic Chemistry I	4	_____	_____
CHE 212 Organic Chemistry II	4	_____	_____
Required Biology Courses	<u>14</u>		
BIO 111/115 General Biology I	4	_____	_____
BIO 112/116 General Biology II	4	_____	_____
BIO 301 Genetics	4	_____	_____
BIO 310 Biology Seminar	2	_____	_____
Biomedical Sciences and Biotechnology Emphasis.....	<u>20</u>		
BIO 261 Microbiology	4	_____	_____
BIO 331 Cell Biology.....	4	_____	_____
CHE 411 Biochemistry.....	3	_____	_____
CHE 412 Biochemistry II	3	_____	_____
CHE 413 Biochemistry Methods.....	3	_____	_____
<i>Choose one from following:</i>			
BIO 444 Independent Research	3	_____	_____
BIO 498 Biology Internship	3	_____	_____
Biology Electives (choose from following)	<u>9</u>		
BIO 201 Human Anatomy and Physiology I.....	4	_____	_____
BIO 202 Human Anatomy and Physiology II	4	_____	_____
BIO 312 Topics in Biology.....	3	_____	_____
BIO 313 Topics in Biology Lab	1	_____	_____
BIO 317 Marine Biology	4	_____	_____
BIO 318 Conservation Biology	3	_____	_____
BIO 321 Parasitology	3	_____	_____
BIO 322 Parasitology Lab	1	_____	_____
BIO 341 Ecology	4	_____	_____
BIO 350 Botanical Diversity	4	_____	_____
BIO 399 Bioethics	3	_____	_____
BIO 411 Immunology.....	3	_____	_____
BIO 426 Embryology	4	_____	_____
BIO 440 Invertebrate Zoology.....	4	_____	_____
BIO 441 Vertebrate Zoology	4	_____	_____
PSY 424 Neuropsychology.....	3	_____	_____
Elective Courses*	<u>13-21*</u>		
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total Hours Required for Degree	<u>121*</u>		

*At least 45 hours must be upper-level (300 or 400)