

**2023 Catalog-B.S. Molecular Biology Degree Plan (120 Hours)**

<b>STUDENT NAME:</b>				
<b>STUDENT ID:</b>				
<b>AUDITS: 45 _____ 75 _____</b>		<b>PRE-HEALTH: NO YES</b>		
<b>Course Title</b>	<b>Subject Prefix/ Course #</b>	<b>HR</b>	<b>Semester Taken</b>	<b>Grade</b>
<b>CORE CURRICULUM</b>				
<b>Communication (010)</b>				
		3		
		3		
<b>Mathematics (020)</b>				
Calculus I	MATH 2417*	4		
<b>Life and Physical Sciences (030)</b>				
General Chemistry I	CHEM 1311	3		
General Chemistry II	CHEM 1312	3		
<b>Language, Philosophy and Culture (040)</b>				
		3		
<b>Creative Arts (050)</b>				
		3		
<b>American History (060)</b>				
		3		
		3		
<b>Government/Political Science (070)</b>				
American National Government	GOVT 2305	3		
State and Local Government	GOVT 2306	3		
<b>Social and Behavioral Science (080)</b>				
		3		
<b>Component Area Option (090)</b>				
Calculus II	MATH 2419*	4		
Intro to Modern Biology I	BIOL 2311	3		
<b>Major Preparatory Courses</b>				
General Chemistry I	CHEM 1311	3		
Chem Lab I	CHEM 1111	1		
General Chemistry II	CHEM 1312	3		
Chem Lab II	CHEM 1112	1		
Organic Chemistry I Lecture	CHEM 2323	3		
Organic Chemistry II Lecture	CHEM 2325	3		
Introductory Organic Chemistry Lab	CHEM 2233	2		

\* (MATH 2413 & MATH 2414 & MATH 2415) can be used instead of (MATH 2417 & MATH 2419)

\*\* May take (BIOL 3V96 or BIOL 4399 or BIOL 4391) with permission of Faculty Advisor

<b>UPDATED BY:</b>				
<b>DATE:</b>				
<b>MINOR:</b>		<b>DOUBLE MAJOR/DEGREE:</b>		
<b>Course Title</b>	<b>Subject Prefix/ Course #</b>	<b>HR</b>	<b>Semester Taken</b>	<b>Grade</b>
<b>Major Preparatory Courses (Cont.)</b>				
Calculus I	MATH 2417*	4		
Calculus II	MATH 2419*	4		
Linear Algebra	MATH 2418	4		
Mechanics	PHYS 2325	3		
Physics Lab I	PHYS 2125	1		
Electromagnetism and Waves	PHYS 2326	3		
Physics Lab II	PHYS 2126	1		
<b>Major Core Courses</b>				
Intro to Modern Biology I & Wkshp	BIOL 2311 & BIOL 2111	4		
Intro to Modern Biology II & Wkshp	BIOL 2312 & BIOL 2112	4		
Intro to Biology Lab	BIOL 2281	2		
Classical & Molec. Genetics & Wkshp	BIOL 3301 & BIOL 3101	4		
Molecular & Cell Biology & Wkshp	BIOL 3302 & BIOL 3102	4		
Biochemistry I & Wkshp	BIOL 3361 & BIOL 3161	4		
Biochemistry II & Wkshp	BIOL 3362 & BIOL 3162	4		
OR Microbial Physiology	BIOL 3335	3		
Biochemistry Lab	BIOL 3380	3		
Cell Biology Lab	BIOL 4380**	3		
Biophysical Chemistry	BIOL 4461	4		
<b>Major Related Courses-Upper Level Approved Biology Electives</b>				
		3		
		3		
		3		
		3		
<b>Electives-45 Upper Level Hours Needed to Graduate (75 UL for double degree)</b>				
Freshman Seminar	UNIV 1010	0		
NS&M Freshman Seminar	NATS 1101	1		
Core Seminar	UNIV 2020	0		
UL Elective (3xxx or 4xxx)		3		
UL Elective (3xxx or 4xxx)		3		
UL Elective (3xxx or 4xxx)		1-2		
Free Elective		1		