

**HENDERSON STATE UNIVERSITY**

**Bachelor of Science**

**Major: Chemistry - Biochemistry Track, Eight Semester Plan**

**2019-2020 updated October 10, 2019**

Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	LAC	Course No.	Course Name	Hrs	LAC
CHM1014	University Chemistry I & lab*	4		CHM1024	University Chemistry II & lab*	4	
MTH1273	Precalculus Math	3		MTH1253	Trigonometry	3	
ENG1463	English A (or English Honors)	3		ENG1473	English B	3	
GEN1031	Henderson Seminar	1			Fine Arts/Humanities Elective	3	
BIO2114	General Zoology & Lab*	4			Life Fitness or PE Elective	1	
<b>Total Hours</b>		15		<b>Total Hours</b>		14	
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	LAC	Course No.	Course Name	Hrs	LAC
CHM3063	Organic Chemistry I*	3		CHM3073	Organic Chemistry II*	3	
CHM3051	Organic Chemistry I Lab*	1		CHM3131	Organic Chemistry II Lab*	1	
CHM2084	Quantitative Analysis & Lab*	4		PHY2234	University Physics I & Lab*	4	
MTH1294	Calculus I*	4			Social Science Elective	3	
COM2013	Oral Communications	3			Social Science Elective	3	
<b>Total Hours</b>		15		<b>Total Hours</b>		14	
Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	LAC	Course No.	Course Name	Hrs	LAC
BIO4214	Cell Biology & Lab*	4		BIO3054	Genetics & Lab*	4	
CHM3413	Introduction to Research*	3		CHM4393	Biochemistry II*	3	
PHY2244	University Physics II & lab*	4		CHM3403	Physical Chemistry for Life Sciences*	3	
CHM4283	Biochemistry I*	3			Fine Arts/Humanities Elective	3	
CHM4381	Biochemistry Lab*	1			Nonwestern Culture	3	
<b>Total Hours</b>		15		<b>Total Hours</b>		16	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	LAC	Course No.	Course Name	Hrs	LAC
BIO3094	Microbiology & Lab*	4		CHM3424	Inorganic Chemistry	4	
CHM4181	Independent Research*	1			Required CHM/BIO Electives*	8	
	Required CHM/BIO Electives*	3-4			University Writing or Technical Writing	3	
	Core Elective	3		CHM4181	Independent Research*	1	
	Social Science Elective	3					
<b>Total Hours</b>		15		<b>Total Hours</b>		16	

**Total Degree Hours 120 hours**

\*Required for Chemistry-Biochemistry track degree

