



**HALMOS COLLEGE OF NATURAL SCIENCES AND OCEANOGRAPHY**  
**SAMPLE FOUR YEAR CURRICULUM | 2018-2019 CATALOG**  
**Bachelor of Science - Chemistry: Non-American Chemical Society concentration**



Freshman Year				
Fall		Winter		
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>	
UNIV 1000: First Year Seminar	3	Open Written Communication	3	
Open Written Communication	3	Bio/Physical Chemistry Series Course	4	
BIOL 1500 Biology I/Lab	4	CHEM 1310 General Chemistry II/Lab	4	
CHEM 1300 General Chemistry I/Lab	4	MATH 2200 Calculus II	4	
MATH 2100 Calculus I*	4			
<b>Total Credits</b>	<b>18</b>	<b>Total Credits</b>	<b>15</b>	

Sophomore Year				
Fall		Winter		
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>	
Open Social & Behavioral Sciences	3	Open Social & Behavioral Sciences	3	
Open Arts & Humanities	3	Open Arts & Humanities	3	
CHEM 2400 Organic Chemistry I/Lab	4	CHEM 2410 Organic Chemistry II/Lab	4	
PHYS 2400 Physics I/Lab	4	PHYS 2500 Physics II/Lab	4	
<b>Total Credits</b>	<b>14</b>	<b>Total Credits</b>	<b>14</b>	

Junior Year				
Fall		Winter		
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>	
CHEM 3460 Quantitative Analysis /Lab	4	CHEM 3050 Chemical Literature and Seminar	3	
Bio/Physical Chemistry Series Course	3	Bio/Physical Chemistry Series Course	4	
Open Elective	4	Major Elective	3	
Open Elective	3	Open Elective	3	
		Open Elective	3	
<b>Total Credits</b>	<b>14</b>	<b>Total Credits</b>	<b>16</b>	

Senior Year				
Fall		Winter		
<u>Course</u>	<u>Credits</u>	<u>Course</u>	<u>Credits</u>	
CHEM 4005 Inorganic Chemistry I	3	CHEM 4101 Senior Chemistry Seminar	1	
Major Elective	3	Major Elective	3	
Open Elective	3	Open Elective	4	
Open Elective	3	Open Elective	3	
Open Elective	3	Open Elective	3	
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>14</b>	

**TOTAL CREDITS 120**

**NOTES:**

CHEM 3700 and CHEM 3710 are recommended if pursuing a career or graduate studies in chemistry.

Students who elect to complete the second course grouping and wish to take MATH 3200 may need to adjust the plan, since MATH 3200 is offered every Fall.

\*This sample plan is based on the student beginning at least at the level of MATH 2100: Calculus I.