

### 3-YEAR DEGREE PLAN

**COLLEGE:** Sciences and Health Profession

**DEPARTMENT:** Chemistry

**PROGRAM:** B.S. (ACS track)

**CREDITS:** 120 total (including 22 pre-matriculation)

**OVERVIEW:** Qualified students can complete this bachelor's program in three years. The 3-year schedule outlined below provides one pathway to completion as an example, based on the assumptions of specific student preparation. Other pathways to completion may also be available.

**ASSUMPTIONS:** *Students will have completed the equivalent of Calculus I and II (MTH 181 and 182), College Writing I and II (ENG 101 and 102), and General Chemistry I and II lecture and labs (CHM 261/266 and 262/267). This can be accomplished through the AP programs or taking college-level equivalent courses while in high school. (Total: 22 credit hours.) Also assumes successful completion of 2 years of a single foreign language in high school.*

<b>YEAR 1</b>					
Fall Courses	Credits	Spring Courses	Credits	Summer Courses	Credits
CHM 331/336 Organic Chemistry I/Lab	5	CHM 332/337 Organic Chemistry II/Lab	5	Social Science elective	3
MTH 281 Multivariable Calculus	4	PHY 242 University Physics II (or PHY 244)	5	Arts & Humanities elective	3
PHY 241 University Physics I (or PHY 243)	5	CHM 301 Research Methods in Chemistry	2	(Can also be done after Year 2.)	
CHM 263 Advanced Topics in General	3	US Diversity Elective	3		
ASC 101 Introduction to University Life	1				
<b>TOTAL</b>	<b>18</b>		<b>15</b>		<b>6</b>
<b>YEAR 2</b>					
Fall Courses	Credits	Spring Courses	Credits	Summer Courses	Credits
CHM 321 Physical Chemistry I	3	CHM 322 Physical Chemistry II	3		
CHM 311/316 Quantitative Analysis /Lab	5	CHM 412/416 Advanced Instrumental Analysis/Lab	6		
CHM 411 Instrumental Analysis	3	CHM 431 Advanced Organic Chemistry	2		
CHM 426 Physical Chemistry Lab I	3	CHM 427 Physical Chemistry Lab II	3		
<b>TOTAL</b>	<b>14</b>		<b>14</b>		<b>0</b>
<b>YEAR 3</b>					
Fall Courses	Credits	Spring Courses	Credits	Summer Courses	Credits
CHM 441 Inorganic Chemistry	3	CHM 489 Senior Research	3		
CHM 446 Inorganic Chemistry Lab	2	CHM 472 Student Colloquium	1		
CHM 402 Biochemistry I	3	Social Science (outside the US/ALAAME)	3		
CHM 471 Faculty Colloquium	1	CHM 403 Biochemistry II	3		
CHM Elective	3	African American Experience	3		
A & H Elective (outside the US/ALAAME)	3	General elective	3		
<b>TOTAL</b>	<b>15</b>		<b>16</b>		<b>0</b>

**3-YEAR TOTAL (include any additional credits or pre-program assumptions): 120**