

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.*

| YEAR 1 | | | | | |
|---|----------------|--|----------------|----------------------------------|----------------|
| 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 | | | | |
| TOTAL | 18 | | 15 | | 6 |
| YEAR 2 | | | | | |
| 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 | | |
| TOTAL | 14 | | 14 | | 0 |
| YEAR 3 | | | | | |
| 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 | | |
| TOTAL | 15 | | 16 | | 0 |

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