**Bachelor of Arts in Chemistry**
**Sample Degree Plan**

| Fall Semester, First Year (15 SCH) | Spring Semester, First Year (15 SCH) |
|---|---|
| RHET 1101 Oral Communication<br>MATH 2417 Calculus I<br>CHEM 1311 General Chemistry I<br>CHEM 1111 Chemistry Lab I<br>RHET 1302 Composition II<br>HIST 1301 Themes and Ideas in American History | PHYS 2325 Mechanics and Heat<br>PHYS 2125 Physics Lab 1<br>MATH 2419 Calculus II<br>CHEM 1312 General Chemistry II<br>CHEM 1112 Chemistry Lab II<br>HIST 1302 Issues in American History |
| Fall Semester, Second Year (15 SCH) | Spring Semester, Second Year (17 -18 SCH) |
| CHEM 2323 Organic Chemistry I<br>CHEM 2123 Organic Chemistry Lab<br>PHYS 2326 Electromagnetism and Waves<br>PHYS 2126 Physics Lab II<br>MATH 2451 Multivariable Calculus<br>GOVT 2301 American Government | CHEM 2325 Organic Chemistry II<br>CHEM 2125 Organic Chemistry Lab<br>MATH 2418 Linear Algebra **OR** STAT 3332 Stats for life sciences<br>GOVT 2302 Political Economy of Texas<br>HUMA 1301 Intro Humanities<br>Free elective (3 SCH) |
| Fall Semester, Third Year (16 SCH) | Spring Semester, Third Year (15-16 SCH) |
| CHEM 2401 Intro Quantitative Methods<br>CHEM 3321 Physical Chemistry A<br>ARTS 1301 Exploration of the Arts<br>Social and Behavioral Science Elective (3 SCH)<br>Free elective (3 SCH- if not taking CHEM 3361) | CHEM 3471 Advanced Synthesis Lab<br>Major Guided Elective (3 SCH)<br>Free Elective (6 SCH)<br>CHEM 3362 + 3162 Biochemistry II + workshop<br>OR<br>CHEM 4335 Polymer Chemistry |
| Fall Semester, Fourth Year (16 SCH) | Spring Semester, Fourth Year (15 SCH) |
| CHEM 3341 Inorganic Chemistry<br>(or CHEM 3422 in Spring)<br>CHEM 3472 Instrumental Analysis<br>Major Guided Elective (3 SCH)<br>Advanced Elective (Non-Chemistry, 3 SCH)<br>Free Elective | NATS 4310 Advanced Writing<br>CHEM 3422 (or CHEM 3341 in Fall)<br>Major Guided Elective (6 SCH)<br>Advanced Elective (Non-Chemistry, 3 SCH)<br>Free Elective |

- need enough upper level electives to have a total of 51 upper level hours overall
- Always check with your advisor to verify that you are on track to graduate on time