

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

<p style="text-align: center;"><u>Fall Semester, First Year (15 SCH)</u></p> <p>RHET 1101 Oral Communication  MATH 2417 Calculus I  CHEM 1311 General Chemistry I  CHEM 1111 Chemistry Lab I  RHET 1302 Composition II  HIST 1301 Themes and Ideas in American History</p>	<p style="text-align: center;"><u>Spring Semester, First Year (15 SCH)</u></p> <p>PHYS 2325 Mechanics and Heat  PHYS 2125 Physics Lab 1  MATH 2419 Calculus II  CHEM 1312 General Chemistry II  CHEM 1112 Chemistry Lab II  HIST 1302 Issues in American History</p>
<p style="text-align: center;"><u>Fall Semester, Second Year (16 SCH)</u></p> <p>CHEM 2323 Organic Chemistry I  CHEM 2123 Organic Chemistry Lab  PHYS 2326 Electromagnetism and Waves  PHYS 2126 Physics Lab II  MATH 2451 Multivariable Calculus  CHEM 2401 Intro Quantitative Methods</p>	<p style="text-align: center;"><u>Spring Semester, Second Year (17 SCH)</u></p> <p>CHEM 2325 Organic Chemistry II  CHEM 2125 Organic Chemistry Lab  MATH 2418 Linear Algebra <b>OR</b> STAT 3332  Stats for life sciences  GOVT 2302 Political Economy of Texas  HUMA 1301 Intro Humanities  Free elective (3 SCH)</p>
<p style="text-align: center;"><u>Fall Semester, Third Year (14 SCH)</u></p> <p>CHEM 3472 Instrumental Analysis  CHEM 3361 Biochemistry I  BIOL 3161 Biochemistry Workshop  (to be taken with CHEM 3361)  CHEM 3321 Physical Chemistry A  GOVT 2301 American Government</p>	<p style="text-align: center;"><u>Spring Semester, Third Year (14-15 SCH)</u></p> <p>CHEM 3322 Physical Chemistry B  CHEM 3471 Advanced Synthesis Lab  Social and Behavioral Science elective  CHEM 3362 + 3162 Biochemistry II + workshop  <b>OR</b>  CHEM 4335 Polymer Chemistry</p>
<p style="text-align: center;"><u>Fall Semester, Fourth Year (15 SCH)</u></p> <p>CHEM 3341 Inorganic Chemistry  CHEM 4V91 Research In Chemistry  ARTS 1301 Exploration of the Arts  Advanced Elective (Non-Chemistry, 3 SCH)  Free Elective (3 SCH)</p>	<p style="text-align: center;"><u>Spring Semester, Fourth Year (16 SCH)</u></p> <p>CHEM 4473 Physical Measurements Lab  CHEM 4V91 Research In Chemistry  Advanced Elective (Non-Chemistry, 3 SCH)  Free Elective (6 SCH)</p>

- 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
- Research in Chemistry may begin as early as the sophomore year.