

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

<p style="text-align: center;"><u>Fall Semester, First Year (15 SCH)</u></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 style="text-align: center;"><u>Spring Semester, First Year (15 SCH)</u></p> PHYS 2325 or 3341 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 style="text-align: center;"><u>Fall Semester, Second Year (16 SCH)</u></p> CHEM 2323 Organic Chemistry I CHEM 2123 Organic Chemistry Lab PHYS 2326 or 3342 Electromagnetism and Waves PHYS 2126 Physics Lab II MATH 2451 Multivariable Calculus BIOL 2301 Intro to Biology I BIOL 2101 Intro to Biology Workshop	<p style="text-align: center;"><u>Spring Semester, Second Year (13-14 SCH)</u></p> CHEM 2325 Organic Chemistry II CHEM 2125 Organic Chemistry Lab GOVT 2302 Political Economy of Texas HUMA 1301 Intro Humanities BIOL 2302 Intro to Biology II (Pre-med) BIOL 2102 Biology II workshop (Pre-med) OR Free Elective (3 SCH)
<p style="text-align: center;"><u>Fall Semester, Third Year (18 SCH)</u></p> CHEM 2401 Quantitative Methods CHEM 3361 Biochemistry I BIOL 3161 Biochemistry I workshop CHEM 3321 Physical Chemistry A GOVT 2301 American Government BIOL 3301 Genetics BIOL 3101 Genetics Workshop	<p style="text-align: center;"><u>Spring Semester, Third Year (18 SCH)</u></p> CHEM 3322 Physical Chemistry B BIOL 3302 Molecular Biology BIOL 3102 Molecular Biology Workshop CHEM 3362 Biochemistry II BIOL 3162 Biochemistry II Workshop ARTS 1301 Exploration of the Arts Advanced Elective (Non-Chemistry, 3 SCH)
<p style="text-align: center;"><u>Fall Semester, Fourth Year (16 SCH)</u></p> CHEM 3472 Instrumental Analysis CHEM / BIOL Research in CHEM or BIO (3 SCH) BIOL 3380 Biochemistry Lab Chemistry or Bio Advanced elective (3 SCH) Advanced Elective (Non-Chemistry, 3 SCH)	<p style="text-align: center;"><u>Spring Semester, Fourth Year (15 SCH)</u></p> CHEM / BIOL Research in CHEM or BIO (3 SCH) Chemistry or Bio Advanced elective (3 SCH) Social And Behavioral Science Elective Free elective (6 SCH)

- 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 Biochemistry may begin as early as the sophomore year.