<table>
<thead>
<tr>
<th>SCHEDULE</th>
<th>ACADEMIC Advising</th>
<th>ENRICHING EXPERIENCES</th>
<th>LIFELONG SUCCESS</th>
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<tbody>
<tr>
<td>Freshman</td>
<td>- Enroll in General Chemistry I and General Chemistry II series - Focus on English and Math General Education Courses - Enroll in 15-18 credit hours Fall and Spring semester if possible, and 3-6 credit hours during the Summer term. - Make appointment with Academic Advisor each semester - Attend UTPB workshops - Review your degree map and plan your college experience - Meet your Faculty Mentor</td>
<td>Prioritize Your Wellness - Participate in campus recreation - Attend Financial Literacy seminars - Form healthy study habits Build Your Community - Use FalconLink &amp; attend Club Day - Volunteer - Attend campus events Explore Your World - Attend an athletics event, musical performance, or visit the art gallery</td>
<td>Build Your Brand - Draft your resume - Register for the Job Board - Attend Undergraduate Research Day Craft Your Future - Explore career options - Complete Chemical Safety/Lab Training - Have coffee with a faculty member</td>
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<tr>
<td>Sophomore</td>
<td>- Enroll in Organic Chemistry I and Organic Chemistry II series - Enroll in Introduction to Research - Enroll in 15-18 credit hours Fall and Spring semester, and 3-6 credit hours during the Summer term. - Make appointment with Academic Advisor each semester - Participate in academic advising with Chemistry faculty member each semester. - Complete requirements to successfully pass Sophomore Music Barrier</td>
<td>Prioritize Your Wellness - Enjoy outdoor spaces on campus Build Your Community - Join an organization (ex: ACS) - Explore campus leadership (SGA, Orientation Leader, Resident Asst.) - Participate in STEM activities on/off campus - Become a Peer Leader or Mentor Explore Your World - Consider study abroad - Attend UTPB Chemistry workshops and visiting lectures</td>
<td>Build Your Brand - Update your resume - Join LinkedIn - Consider student employment - Apply for Undergraduate Research Program Craft Your Future - Participate in mock interviews - Attend an internship/career fair</td>
</tr>
<tr>
<td>Junior</td>
<td>- Enroll in Analytical Chemistry - Enroll Continue Introduction to Research - Complete General Education Requirements - Enroll in 12-16 credit hours Fall and Spring semester - Make appointment with Faculty Mentor before registration - Complete General Education Core - Complete College of Education Pre-requisite courses with GPA requirements. - Enroll in Chemistry Electives</td>
<td>Prioritize Your Wellness - Attend a health fair Build Your Community - Run for organization officer role - Apply to be a Chemistry Ambassador - Apply to Gamma Sigma Epsilon XI Zeta Chemistry Honor Society Explore Your World - Consider study abroad - Participate in service learning</td>
<td>Build Your Brand - Update your resume - Participate in Summer Research (REU, LSAMP, etc.) - Attend Seminar on Professional Oral and Poster Presentations - Present Research at a National ACS Meeting Craft Your Future - Search for internships or fellowships - Attend National and Regional Scientific Conferences</td>
</tr>
<tr>
<td>Senior</td>
<td>- Complete Introduction to Research - Enroll in Physical Chemistry I Series - Enroll in Inorganic Chemistry - Enroll in 12-16 credit hours Fall and Spring semester - Complete Degree Plan Completion Audit - Complete research hours, volunteering in schools - Participate in recruiting activities with Chemistry Faculty</td>
<td>Prioritize Your Wellness - Attend financial literacy seminars Build Your Community - Attend your ring ceremony - Join Alumni Association upon graduation Explore Your World - Consider study abroad (summer prior to senior year)</td>
<td>Build Your Brand - Update your resume - Develop &amp; present research Craft Your Future - Participate in an internship or fellowship - Apply to Graduate/Professional School - Attend GSE Binational Meeting Chemistry Club</td>
</tr>
</tbody>
</table>

UTPB students will graduate with these skills:
- Strong background in Chemical Knowledge
- Competency and Safety Laboratory Practices
- Personal and Social Responsibility
- Oral and Written Communication
- Independent Problem Solving
- Quantitative and Qualitative Analysis
- Team Work
- Leadership

Career opportunities:
- Industry
- Pharmacy
- Clinical Research
- Petroleum analysis and refining
- Government
- Forensics
- Higher Education
- Entrepreneur
### BACHELOR OF CHEMISTRY Environmental Track

**Semester 1**
- CHEM 1311/1311W/1111 General Chemistry I Series
- UNIV 1101 Freshman Seminar
- ENGL 1301 Composition I
- MATH 2412 Pre-calculus
  - OR MATH 2413 Calculus I
- COMM 1301 Intro to the Study of Communication
- HIST 1301 American History I

18 hours

**Semester 2**
- CHEM 1312/1312W/1112 General Chemistry II Series
- ARTS 1301 Arts Appreciation
  - OR MUSI 1301 Jazz, Pop, and Rock
- ENGL 1302 Composition II
- HIST 1302 American History II

14 hours

**Semester 3**
- CHEM 3311/3113 Organic Chemistry I Series
- Phys 2325/2125 University Physics I Series
- MATH 2413 Calculus I
- PLSC 2305 American National Politics
- COMM 1301 Intro to the Study of Communication
  - OR PHIL 2300 Introduction to Philosophy

18 hours

**Semester 4**
- CHEM 3312/1112 Organic Chemistry II Series
- Phys 2326/2126 University Physics II Series
- SOCI 1301 Introduction to Sociology
  - OR PSYC 1301 Introduction to Psychology
- PLSC 2306 State and Local Politics

14 hours

**Semester 5**
- CHEM 3324/3125 Analytical Chemistry I Series
- CHEM 3695 Intro to Research
- COMM 1315 Intro to Public Speaking
- ENSC 3301 Environmental Science I

12 hours

**Semester 6**
- CHEM 4313 Instrumental Chemical Analysis
  - OR CHEM 4389 Special Topics in Chemistry
- ENSC 3324 GIS Applications
- CHEM 4374/4175 Inorganic Chemistry Series (Even Year)
  - 3000 or 4000 Level Elective
- ENSC 3302 Environmental Science II

16 hours

**Semester 7**
- CHEM 4301/4103 Physical Chemistry I Series
- CHEM 4321/4223 Biochemistry
- CHEM 4330/4131 NMR Spectroscopy
- ENSC 3315 Water Quality
- ENSC 3320 Environmental Law

16 hours

**Semester 8**
- CHEM 4389 Special Topics in Chemistry – Environmental Chemistry
  - CHEM 3695 Intro to Research
  - ENSC 4322 Environmental Research
  - ENSC 4303 Adv. Environmental Science
  - Upper Level Elective

13 hours