### Degree Map | 2020-2024

#### Bachelor of Science

**BIOLOGY, GENERAL STUDIES PLAN**

<table>
<thead>
<tr>
<th>YOUR CLASS SCHEDULE</th>
<th>ACADEMIC ADVISING</th>
<th>ENRICHING EXPERIENCES</th>
<th>LIFELONG SUCCESS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete at least 30 hours during your freshman year.</td>
<td>Participate in New Student Orientation</td>
<td>Prioritize Your Wellness</td>
<td>Build Your Brand</td>
</tr>
<tr>
<td>Pass ALL courses with a C or better.</td>
<td>Meet with your Academic Advising Center Freshman Advisor before registration.</td>
<td>• Participate in campus recreation</td>
<td>• Draft your resume</td>
</tr>
<tr>
<td>Make sure that you have the prerequisites for a course before you enroll.</td>
<td>Register for classes as soon you are able to.</td>
<td>• Attend Financial Literacy seminars</td>
<td>• Register for the Job Board</td>
</tr>
<tr>
<td>Pass all prerequisite courses with a C or better.</td>
<td></td>
<td>• Form healthy study habits</td>
<td>Craft Your Future</td>
</tr>
<tr>
<td><strong>Sophomore</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete at least 30 hours during your sophomore year.</td>
<td>Meet with your Academic Advising Center Sophomore Advisor before registration.</td>
<td>Prioritize Your Wellness</td>
<td>Build Your Brand</td>
</tr>
<tr>
<td>Pass all courses with a C or better.</td>
<td>Register for classes as soon you are able to.</td>
<td>• Enjoy outdoor spaces on campus</td>
<td>• Update your resume</td>
</tr>
<tr>
<td>Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better.</td>
<td></td>
<td>Build Your Community</td>
<td>• Join LinkedIn</td>
</tr>
<tr>
<td><strong>Junior</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete at least 30 hours during your junior year.</td>
<td>Meet with your Biology Advisor as soon as you have been assigned one.</td>
<td>Prioritize Your Wellness</td>
<td>Build Your Brand</td>
</tr>
<tr>
<td>Pass all courses with a C or better.</td>
<td>Consult with your Biology Advisor before registration. Make sure you are on track, taking the right courses for graduation on time.</td>
<td>• Attend a health fair</td>
<td>• Update your resume</td>
</tr>
<tr>
<td>Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better.</td>
<td>Register for classes as soon as you are able to.</td>
<td>Build Your Community</td>
<td>Craft Your Future</td>
</tr>
<tr>
<td><strong>Senior</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete the remaining hours for your degree during your senior year.</td>
<td>Check with your Biology Advisor early in the fall semester to make sure you are on track to complete all requirements for graduation.</td>
<td>Prioritize Your Wellness</td>
<td>Build Your Brand</td>
</tr>
<tr>
<td>Pass all courses with a C or better.</td>
<td>Consult with your Biology Advisor before registration. Register for classes as soon as you are able to.</td>
<td>• Attend financial literacy seminars</td>
<td>• Update your resume</td>
</tr>
<tr>
<td>Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better.</td>
<td>Apply for graduation at the beginning of the spring semester and give your Biology Advisor a copy of your Degree Check.</td>
<td>Build Your Community</td>
<td>Craft Your Future</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### UTPB students will graduate with these skills:

- Empirical and Quantitative Skills
- Communication
- Planning and Organization
- Research
- Teamwork
- Critical Thinking

#### Career opportunities:

- Biological Technician
- Microbiological Technician
- Zoologist
- Wildlife Biologist
- Environmental Health Specialist

---

College of Arts & Sciences | Dean’s Office – ST 1226 | 432-552-2220 | www.utpb.edu/cas
## Bachelor of Science in Biology, General Studies Plan

### Semester 1  Semester 2
- **BIOL 1306/1106 General Biology I**  **BIOL 1307/1107 General Biology II**
- **ENGL 1301 Composition I**  **ENGL 1302 Composition II**
- **HIST 1301 U.S. History I**  **HIST 1302 U.S. History II**
- **PLSC 2305 American National Politics**  **PLSC 2306 State and Local Politics**
- **UNIV 1101 Freshman Seminar**  **Social/Behavioral Science General Education course**

**14 hours 16 hours**

### Semester 3  Semester 4
- **BIOL 3350/3151 Human Anatomy**  **OR**  **BIOL 3350/3151 Human Anatomy**  **OR**
  - **BIOL 3310/3111 Invertebrate Zoology**  **OR**  **BIOL 3312/3113 Vertebrate Zoology**
- **CHEM 1311/1111 General Chemistry I**  **OR**  **BIOL 3230/3231 Botany**
- **MATH 2413 Calculus I**  **CHEM 1312/1112 General Chemistry II**
- **COMM 1315 Introduction to Public Speaking**  **MATH 2414 Calculus II**
- **COSC 1335 Computers and Problem Solving**

**15 hours 15 hours**

### Semester 5  Semester 6
- **BIOL 4340/4340R Genetics**  **OR**  **BIOL 4340/4340R**  **OR**
  - **BIOL 3352/3153 Human Physiology**  **OR**  **BIOL 3352/3153 Human Physiology**
- **CHEM 3311/3113 Organic Chemistry I**  **CHEM 3312/3114 Organic Chemistry II**
- **PHYS 1301/1101 OR 2325/2125 Physics I**  **PHYS 1302/1102 OR 2326/2126 Physics II**
- **Creative Arts General Education course**  **OR**  **Creative Arts General Education course**  **OR**
- **ENGL 2300 Level Elective**  **ENGL 2300 Level Elective**

**15 hours 15 hours**

### Semester 7  Semester 8
- **BIOL 4342 Evolution**  **OR**  **BIOL Elective**  **BIOL 4342 Evolution**  **OR**  **BIOL Elective**
- **BIOL Elective**  **BIOL 3300/3101 Microbiology**  **OR**
- **ENGL 3000 Level Elective OR NTSC 4311 History and Philosophy of Science ENGL 3000 Level Elective OR NTSC 4311 History and Philosophy of Science**
- **CHEM 3324/3125 Analytical Chemistry**
- **Free elective hours**  **Free elective hours**

**15-17 hours  13-15 hours**

---

**College of Arts & Sciences | Dean’s Office – ST 1226 | 432-552-2220 | www.utpb.edu/cas**