### Bachelor of Science

**BIOLOGY, LIFE SCIENCE CERTIFICATION**

**GRADES 7-12 Psychology Minor**  
**Degree Map | 2020-2024**

<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>
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</table>
| • Complete at least 30 hours during your freshman year.  
• Pass ALL courses with a C or better.  
• Make sure that you have the prerequisites for a course before you enroll.  
• Pass all prerequisite courses with a C or better. | • Participate in New Student Orientation  
• Meet with your Academic Advising Center Freshman Advisor before registration.  
• Talk with your advisor about the certification process.  
• Register for classes as soon you are able to. | **Prioritize Your Wellness**  
• Participate in campus recreation  
• Attend Financial Literacy seminars  
• Form healthy study habits  
**Build Your Community**  
• Use FalconLink & attend Club Day  
• Volunteer  
• Attend campus events  
**Explore Your World**  
• Attend an athletics event, musical performance, or visit the art gallery  
• Read books for enjoyment. | **Build Your Brand**  
• Draft your resume  
• Register for the Job Board  
**Craft Your Future**  
• Explore career options  
• Meet with your instructors during their office hours: These individuals may be writing recommendation letters for you in the future. |
| **Sophomore**       |                   |                       |                   |
| • Complete at least 30 hours during your sophomore year.  
• Pass all courses with a C or better.  
• Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better. | • Meet with your Academic Advising Center Sophomore Advisor before registration.  
• Talk with your advisor about your progress in the certification process.  
• Register for classes as soon as you are able to. | **Prioritize Your Wellness**  
• Enjoy outdoor spaces on campus  
**Build Your Community**  
• Join an organization (ex: Biology Club)  
• Explore campus leadership (SGA, Orientation Leader, Resident Asst.)  
• Volunteer to tutor students at a local school or community org.  
**Explore Your World**  
• Attend a lecture series | **Build Your Brand**  
• Update your resume  
• Join LinkedIn  
**Craft Your Future**  
• Participate in mock interviews  
• Complete the requirements for admission to the certification program.  
• Apply for admission to the Teacher Preparation Program during the spring semester. |
| **Junior**          |                   |                       |                   |
| • Complete at least 30 hours during your junior year.  
• Pass all courses with a C or better.  
• Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better. | • Meet with your Biology Advisor as soon as you have been assigned one.  
• Meet with your Certification Advisor in the College of Education.  
• Register for classes as soon as you are able to. | **Prioritize Your Wellness**  
• Attend a health fair  
**Build Your Community**  
• Run for organization officer role  
• Apply to be a Falcon Ambassador  
**Explore Your World**  
• Consider study abroad  
• Participate in service learning | **Build Your Brand**  
• Update your resume  
**Craft Your Future**  
• Meet with your Education professors. Ask about their research and experiences.  
• Begin preparing for the Life Science 7-12 and PPR TExES exams.  
**Craft Your Future**  
• Meet with your Education professors. Ask about their research and experiences.  
• Begin preparing for the Life Science 7-12 and PPR TExES exams. |
| **Senior**          |                   |                       |                   |
| • Complete the remaining hours for your degree during your senior year.  
• Pass all courses with a C or better.  
• Make sure you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better. | • Meet with your Biology Advisor as soon as you have been assigned one.  
• Meet with your Certification Advisor about your progress in the certification process.  
• Register for classes as soon as you are able to. | **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) | **Build Your Brand**  
• Update your resume  
**Craft Your Future**  
• Complete the requirements for Student Teaching during the fall semester.  
• Pass the Life Science 7-12 and PPR TExES exams by the end of the spring semester.  
• Apply for certification at the end of the spring semester.  
• Apply for teaching positions for the fall. |

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

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

**Career opportunities:**

- Middle or High School Biology Teacher  
- Science Educator for nonprofit organization

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College of Arts & Sciences | Dean’s Office – ST 1226 | 432-552-2220 | www.utpb.edu/cas
<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1306/1106 General Biology I</td>
<td>BIOL 1307/1107 General Biology II</td>
</tr>
<tr>
<td>PSYC 1301 Introduction to Psychology</td>
<td>PSYC 3341 Child/Adolescent Psychology</td>
</tr>
<tr>
<td>ENGL 1301 Composition I</td>
<td>ENGL 1302 Composition II</td>
</tr>
<tr>
<td>MATH 1314 College Algebra</td>
<td>PSYC 3301 Introductory Statistics</td>
</tr>
<tr>
<td>COMM 1315 Introduction to Public Speaking</td>
<td>COSC 1335 Computers and Problem Solving ()</td>
</tr>
<tr>
<td>UNIV 1101 Freshman Seminar</td>
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</tr>
<tr>
<td><strong>17 hours</strong></td>
<td><strong>16 hours</strong></td>
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<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Semester 4</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1311/1111 General Chemistry I</td>
<td>CHEM 1312/1112 General Chemistry II</td>
</tr>
<tr>
<td>HIST 1301 U.S. History to 1877</td>
<td>HIST 1302 U.S. History since 1877</td>
</tr>
<tr>
<td>EDUC 3352 The Exceptional Child</td>
<td>EDUC 4362 Foundations of Bilingualism or Multiculturalism</td>
</tr>
<tr>
<td>PSYC elective</td>
<td>BIOL 3372 Ecology</td>
</tr>
<tr>
<td>3000 Level BIOL elective</td>
<td>3000 Level BIOL elective</td>
</tr>
<tr>
<td><strong>17 hours</strong></td>
<td><strong>17 hours</strong></td>
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<thead>
<tr>
<th>Semester 5</th>
<th>Semester 6</th>
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<tbody>
<tr>
<td>CHEM 3311/3113 Organic Chemistry I</td>
<td>PSYC elective</td>
</tr>
<tr>
<td>PLSC 2305 American National Politics</td>
<td>PLSC 2306 State and Local Politics</td>
</tr>
<tr>
<td>EDUC 4322 Classroom Instruction and Management</td>
<td>EDUC 4326 Reading in the Content Areas OR BIOL 4340/4340R Genetics</td>
</tr>
<tr>
<td>2000 Level ENGL elective</td>
<td>Creative Arts General Education course</td>
</tr>
<tr>
<td>EDUC 4326 Reading in the Content Areas OR BIOL 4340/4340R Genetics</td>
<td>BIOL 3300/3101 Microbiology OR BIOL 3324/3125 Cell Biology</td>
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<tr>
<td><strong>16 hours</strong></td>
<td><strong>16 hours</strong></td>
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<table>
<thead>
<tr>
<th>Semester 7</th>
<th>Semester 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC elective</td>
<td>EDUC 4099 Seminar: Student Teaching</td>
</tr>
<tr>
<td>NTSC 4311 History and Philosophy of Science</td>
<td>EDUC 4385 Student Teaching: Grades 7-12</td>
</tr>
<tr>
<td>BIOL 4342 Evolution</td>
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</tr>
<tr>
<td>EDUC 4376 Teaching Science: Grades 7-12</td>
<td></td>
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<tr>
<td>3000 or 4000 BIOL elective</td>
<td><strong>16-17 hours</strong></td>
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<tr>
<td><strong>16-17 hours</strong></td>
<td><strong>6 hours</strong></td>
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