### Bachelor of Science

**BIOLOGY, ORGANISMAL BIOLOGY TRACK**

**Degree Map | 2020-2024**

<table>
<thead>
<tr>
<th>YOUR CLASS SCHEDULE</th>
<th>ACADEMIC ADVISING</th>
<th>ENRICHING EXPERIENCES</th>
<th>LIFELONG SUCCESS</th>
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<tbody>
<tr>
<td><strong>Freshman</strong></td>
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<tr>
<td>• Complete at least 30 hours during your freshman year.</td>
<td>• Meet with your Academic Advising Center Freshman Advisor before registration.</td>
<td><strong>Prioritize Your Wellness</strong>&lt;br&gt;• Participate in New Student Orientation&lt;br&gt;• Meet with your Academic Advising Center Freshman Advisor before registration.&lt;br&gt;• Register for classes as soon as you are able to.</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Draft your resume&lt;br&gt;• Register for the Job Board&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Explore career options&lt;br&gt;• Meet with your instructors during their office hours: These individuals may be writing recommendation letters for you in the future.</td>
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<tr>
<td>• Pass ALL courses with a C or better.</td>
<td>• Participate in New Student Orientation</td>
<td><strong>Build Your Community</strong>&lt;br&gt;• Use FalconLink &amp; attend Club Day&lt;br&gt;• Attend campus events</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Update your resume&lt;br&gt;• Join LinkedIn&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Participate in mock interviews&lt;br&gt;• Research graduate schools in your area of interest. Review prerequisite requirements for admission.&lt;br&gt;• Keep up with science news in your area of interest.</td>
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<tr>
<td>• Make sure that you have the prerequisites for a course before you enroll.</td>
<td>• Meet with your Academic Advising Center Sophomore Advisor before registration.</td>
<td><strong>Prioritize Your Wellness</strong>&lt;br&gt;• Enjoy outdoor spaces on campus&lt;br&gt;<strong>Build Your Community</strong>&lt;br&gt;• Join an organization (ex: Biology Club)&lt;br&gt;• Explore campus leadership (SGA, Orientation Leader, Resident Asst.)&lt;br&gt;• Volunteer at a local park or nature center&lt;br&gt;<strong>Explore Your World</strong>&lt;br&gt;• Attend a lecture series</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Update your resume&lt;br&gt;• Join LinkedIn&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Participate in mock interviews&lt;br&gt;• Research graduate schools in your area of interest. Review prerequisite requirements for admission.&lt;br&gt;• Keep up with science news in your area of interest.</td>
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<td>• Pass all prerequisite courses with a C or better.</td>
<td>• Register for classes as soon as you are able to.</td>
<td><strong>Explore Your World</strong>&lt;br&gt;• Attend an athletics event, musical performance, or visit the art gallery&lt;br&gt;• Read books for enjoyment.</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Update your resume&lt;br&gt;• Join LinkedIn&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Participate in mock interviews&lt;br&gt;• Research graduate schools in your area of interest. Review prerequisite requirements for admission.&lt;br&gt;• Keep up with science news in your area of interest.</td>
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<td><strong>Sophomore</strong></td>
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<td>• Complete at least 30 hours during your sophomore year.</td>
<td>• Meet with your Biology Advisor as soon as you have been assigned one.</td>
<td><strong>Prioritize Your Wellness</strong>&lt;br&gt;• Participate in campus recreation&lt;br&gt;• Attend Financial Literacy seminars&lt;br&gt;• Form healthy study habits</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Update your resume&lt;br&gt;• Join LinkedIn&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Participate in mock interviews&lt;br&gt;• Research graduate schools in your area of interest. Review prerequisite requirements for admission.&lt;br&gt;• Keep up with science news in your area of interest.</td>
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<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><strong>Build Your Community</strong>&lt;br&gt;• Run for organization officer role&lt;br&gt;• Apply to be a Falcon Ambassador&lt;br&gt;• Serve as a Success Center tutor or SI leader for General Biology.</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Update your resume&lt;br&gt;• Join LinkedIn&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Participate in mock interviews&lt;br&gt;• Research graduate schools in your area of interest. Review prerequisite requirements for admission.&lt;br&gt;• Keep up with science news in your area of interest.</td>
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<td>• Register for classes as soon as you are able to.</td>
<td><strong>Explore Your World</strong>&lt;br&gt;• Consider study abroad&lt;br&gt;• Participate in service learning</td>
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<td>• Complete at least 30 hours during your sophomore year.</td>
<td>• Talk with your Biology Advisor about graduate school.</td>
<td><strong>Prioritize Your Wellness</strong>&lt;br&gt;• Attend a health fair&lt;br&gt;<strong>Build Your Community</strong>&lt;br&gt;• Volunteer at a local park or nature center&lt;br&gt;<strong>Explore Your World</strong>&lt;br&gt;• Attend a health fair</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Update your resume&lt;br&gt;• Talk to your Biology professors about doing research as a senior&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Go to the Graduate School Fair on campus.&lt;br&gt;• Begin studying for the GRE General and GRE Biology Tests.&lt;br&gt;• Take the exam when you feel prepared (spring or summer)</td>
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<td>• Pass all courses with a C or better.</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><strong>Build Your Community</strong>&lt;br&gt;• Attend your ring ceremony&lt;br&gt;• Join Alumni Association upon graduation&lt;br&gt;<strong>Explore Your World</strong>&lt;br&gt;• Take BIOL 3136 and assist an instructor in one of the labs.</td>
<td><strong>Build Your Brand</strong>&lt;br&gt;• Update your resume&lt;br&gt;• Do research and present results at a conference. Apply for an Undergraduate Research Award&lt;br&gt;<strong>Craft Your Future</strong>&lt;br&gt;• Apply for admission &amp; financial support to schools of your choice&lt;br&gt;• Identify professors who might want to work with. Email them, introduce yourself, and ask about their research. Be prepared to explain your research project.</td>
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**UTPB students will graduate with these skills:**

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

**Career opportunities:**

- Fish and Wildlife Biologist
- Zoologist
- Entomologist
- Park Ranger
- Conservation Biologist
- Botanist

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

**Semester 1**
- BIOL 1306/1106 General Biology I
- CHEM 1311/1111 General Chemistry I
- MATH 2413 Calculus I
- ENGL 1301 Composition I
- UNIV 1101 Freshman Seminar

16 hours

**Semester 2**
- BIOL 1307/1107 General Biology II
- CHEM 1312/1112 General Chemistry II
- MATH 2414 Calculus II
- ENGL 1302 Composition II

15 hours

**Semester 3**
- BIOL 3311/3113 Organic Chemistry I
- PHYS 2325/2125 University Physics I
- BIOL 4372 Ecology
- ENGL 2300 Level Literature Elective
- COSC 1335 Computers and Problem Solving

17 hours

**Semester 4**
- BIOL 3312/3114 Organic Chemistry II
- PHYS 2326/2126 University Physics II
- BIOL 3300/3101 Microbiology OR
- BIOL 3324/3125 Cell Biology
- MATH 3301 Statistics

15 hours

**Semester 5**
- BIOL 4320 Biochemistry
- BIOL 4340/4340R/4141 Genetics OR
- BIOL 3310/3111 Invertebrate Zoology
- ENGL 3000 Level Elective
- PLSC 2305 American National Politics
- Social/Behavioral Sciences General Education course

16 hours

**Semester 6**
- BIOL 4352/4153 Animal Physiology
- BIOL 4340/4340R/4141 Genetics OR
- BIOL 4375 Field Biology
- BIOL 3312/3113 Vertebrate Zoology OR
- BIOL 3230/3231 Botany
- PLSC 2306 State and Local Politics

14-15 hours

**Semester 7**
- BIOL 4342 Evolution OR BIOL 4353 Animal Behavior
- OR BIOL 3310/3111 Invertebrate Zoology
- COMM 1315 Introduction to Public Speaking
- HIST 1301 U.S. History I
- Creative Arts General Education course
- BIOL 3196 or 4395 BIOL elective

13-16 hours

**Semester 8**
- BIOL 3312/3113 Vertebrate Zoology OR
- BIOL 3230/3231 Botany
- NTSC 4311 History and Philosophy of Science
- HIST 1302 U.S. History II
- BIOL 3196 or 4395 BIOL elective

12-14 hours