### 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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<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>
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<tr>
<td>• Pass ALL courses with a C or better.</td>
<td>• Meet with your Academic Advising Center Freshman Advisor before registration.</td>
<td>• Attend Financial Literacy seminars</td>
<td>• Draft your resume</td>
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<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>• Form healthy study habits</td>
<td>• Register for the Job Board</td>
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<tr>
<td>• Pass all prerequisite courses with a C or better.</td>
<td></td>
<td>Build Your Community</td>
<td>Craft Your Future</td>
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</table>

| **Sophomore**        |                   |                       |                  |
| • Complete at least 30 hours during your sophomore year. | • Meet with your Academic Advising Center Sophomore Advisor before registration. | Prioritize Your Wellness | Build Your Brand |
| • Pass all courses with a C or better. | • Register for classes as soon you are able to. | • Enjoy outdoor spaces on campus | • Update your resume |
| • Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better. | | Build Your Community | • Join LinkedIn |

| **Junior**           |                   |                       |                  |
| • Complete at least 30 hours during your sophomore year. | • Meet with your Biology Advisor as soon as you have been assigned one. | Prioritize Your Wellness | Build Your Brand |
| • Pass all courses with a C or better. | • Consult with your Biology Advisor before registration. Make sure you are on track, taking the right courses for graduation on time. | • Attend a health fair | • Update your resume |
| • Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better. | • Register for classes as soon as you are able to. | Build Your Community | • Talk to your Biology professors about doing research as a senior |
| | • Talk with your Biology Advisor about graduate school. | | Craft Your Future |

| **Senior**           |                   |                       |                  |
| • Complete at least 30 hours during your sophomore year. | • Check with your Biology Advisor early in the fall semester to make sure you are on track to complete all requirements for graduation. | Prioritize Your Wellness | Build Your Brand |
| • Pass all courses with a C or better. | • Consult with your Biology Advisor before registration. Register for classes as soon as you are able to. | Attend financial literacy seminars | • Update your resume |
| • Make sure that you have the prerequisites for each of your courses and that you have passed these prerequisites with a C or better. | • Apply for graduation at the beginning of the spring semester and give your Biology Advisor a copy of your Degree Check. | Build Your Community | • Do research and present results at a conference. Apply for an Undergraduate Research Award |

**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
### 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
  - 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**