### Bachelor of Science

**GEOLOGY**

**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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</tbody>
</table>
| • Complete core courses recommended for your degree plan  
  • Focus on English, Math, and Science courses  
  • Enroll in 15 credit hours Fall and Spring semester, Summer term optional | • Participate in New Student Orientation  
  • Meet with your Academic Advising Center Freshman Advisor before registration  
  • Ask you Advisor about the Department of Geosciences recommended core courses for your degree plan | • 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 athletic event, musical performance, or visit the art gallery | • Build Your Brand  
  • Draft your resume  
  • Register for the Job Board  
  **Craft Your Future**  
  • Explore career options  
  • Have coffee with a faculty member  
  • Attend the Annual Geoscience Symposium |
| **Sophomore**        |                   |                       |                  |
| • Complete core courses recommended for your degree plan  
  • Focus on English, Math, and Science courses  
  • Enroll in 15 credit hours Fall and Spring semester, Summer term optional | • Meet with your Academic Advising Center Advisor before registration  
  • Ask you Advisor about the Department of Geosciences recommended core courses for your degree plan and transitioning to a Faculty Advisor in the Department of Geosciences | • Prioritize Your Wellness  
  • Enjoy outdoor spaces on campus  
  **Build Your Community**  
  • Join an organization (ex: Geology Club, AAPG, or SEG)  
  • Explore campus leadership (SGA, Orientation Leader, Resident Asst.)  
  **Explore Your World**  
  • Consider study abroad  
  • Attend a lecture series | • Build Your Brand  
  • Update your resume  
  • Join LinkedIn  
  • Consider student employment  
  • Explore undergraduate research opportunities with Geosciences Department Faculty  
  **Craft Your Future**  
  • Participate in mock interviews  
  • Attend an internship/career fair  
  • Attend the Annual Geoscience Symposium |
| **Junior**           |                   |                       |                  |
| • Complete required Geology courses on 2-year rotation  
  • Complete additional core courses recommended for your degree plan  
  • Enroll in elective geology courses  
  • Enroll in 15 credit hours Fall and Spring semester  
  • Enroll in 6 credit hours Field Geology Course during the Summer term | • Meet with your Faculty Advisor before registration  
  • Determine if a minor is appropriate for your degree plan  
  • Ask you Advisor about the Department of Geosciences recommended core courses for your degree plan | • 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  
  • Conduct research with faculty  
  • Attend networking events with the West Texas Geological Society, Permian Basin Section of the Society of Sedimentary Geology, and Permian Basin Section of the Society of Economic Geophysicists  
  **Craft Your Future**  
  • Search for internships or fellowships |
| **Senior**           |                   |                       |                  |
| • Complete required Geology courses on 2-year rotation  
  • Complete additional core courses recommended for your degree plan  
  • Complete elective geology courses  
  • Enroll in 15 credit hours Fall and Spring semester | • Meet with your Faculty Advisor before registration  
  • Ask you Advisor about the Department of Geosciences recommended core courses for your degree plan  
  • Discuss plans for after graduation | • 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  
  • Present research  
  • Continue attending networking events  
  **Craft Your Future**  
  • Participate in an internship or fellowship  
  • Apply for jobs |

**UTPB students will graduate with these skills:**
- Leadership
- Problem-solving
- Communication
- Environmental Awareness
- Social Responsibility
- Confidence
- Global Awareness
- Teamwork
- Critical Thinking

**Career opportunities:**
- Geologist
- Geophysicist
- Data science
- Petroleum Industry
- Government
- Environmental
# Bachelor of Science in Geology Course Enrollment Plan*

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1301 Composition</td>
<td>English 1302 Composition 2</td>
</tr>
<tr>
<td>HIST 1301 History of the USA to 1877</td>
<td>HIST 1302 History of the USA since 1877</td>
</tr>
<tr>
<td>COMM 1301 Intro to the Study of Communication(\x)</td>
<td>COMM 1315 Intro to Public Speaking(\x)</td>
</tr>
<tr>
<td>MATH 2412 Precalculus</td>
<td>PLSC 2305 American and National Politics</td>
</tr>
<tr>
<td>ARTS 1301 Art Appreciation</td>
<td>MATH 2412 Calculus 1</td>
</tr>
<tr>
<td><strong>16 hours</strong></td>
<td><strong>16 hours</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Semester 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSC 2306 State and Local Politics</td>
<td>MATH 3301 Statistics</td>
</tr>
<tr>
<td>ECON 2301 Principles of Macroeconomics</td>
<td>PHYS 1302/1102 College Physics 2(\x)</td>
</tr>
<tr>
<td>PHYS 1301/1101 College Physics 1</td>
<td>GEOL 1302/1102 Historical Geology with Lab</td>
</tr>
<tr>
<td>GEOL 1301/1101 Physical Geology with Lab</td>
<td>CHEM 1311/1111 General Chemistry 1</td>
</tr>
<tr>
<td><strong>14 hours</strong></td>
<td><strong>15 hours</strong></td>
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</table>

Geoscience courses are taught on a 2-year rotation. Depending on the year of entry, course offerings will vary for upper division courses.

<table>
<thead>
<tr>
<th>Semester 5 (Junior–Senior semester 1; even years)</th>
<th>Semester 6 (Junior–Senior semester 2; odd years)</th>
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<tbody>
<tr>
<td>CHEM 1312/1112 General Chemistry 2</td>
<td>GEOL 3304/3101 Igneous and Metamorphic Rocks</td>
</tr>
<tr>
<td>GEOL 3303/3103 Intro to Mineralogy</td>
<td>GEOL 3329/3129 GIS and GPS Applications</td>
</tr>
<tr>
<td>GEOL 3307/3107 Invertebrate Paleontology</td>
<td>GEOL 4100 Basic Field Methods</td>
</tr>
<tr>
<td>GEOL Elective Course(\x)</td>
<td>GEOL Elective Course(\x)</td>
</tr>
<tr>
<td><strong>15 hours</strong></td>
<td><strong>12 hours</strong></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Semester 7 (Summer Junior–Senior Year)</th>
<th>Semester 8 (Junior–Senior semester 3; odd years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 4600 Advanced Field Geology</td>
<td>GEOL 3305/3105 Structural Geology</td>
</tr>
<tr>
<td><strong>6 hours</strong></td>
<td>GEOL 3308/3108 Sedimentology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 9 (Junior–Senior semester 4; even years)</th>
<th>Semester 10 (Junior–Senior semester 5; odd years)</th>
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<tbody>
<tr>
<td>GEOL 3309 Sequence Stratigraphy</td>
<td>GEOL Elective Course(\x)</td>
</tr>
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<td>GEOL Elective Course(\x)</td>
</tr>
<tr>
<td><strong>12 hours</strong></td>
<td><strong>14 hours</strong></td>
</tr>
</tbody>
</table>

* Suggested enrollments for first time freshmen. Transfer students and students changing majors should consult with the Geoscience Department Advisors.

\(\x\) Multiple course options available to fulfill this requirement. Consult the course catalog and with your advisor to discuss options.