**Why Study Geosciences?**

Geosciences involves a wide range of fields including geochemistry, geophysics, geomorphology, arid land-use studies, bio-geography, urban & economic geography, environmental studies, structural geology & plate tectonics, vertebrate/invertebrate paleontology, atmospheric science, and the application of geographical information systems to solve geological & environmental problems. Meteorologists study the geosciences to better understand the environment, environmental quality and air pollution, global climate change, factors impacting water resources, and of course severe weather events.

**Why Geosciences at Texas Tech?**

The Department of Geosciences at Texas Tech University provides a wide range of research and educational experiences in the field of earth & atmospheric sciences. The Department has a strong commitment to research, education & outreach in the sub disciplines of Earth Sciences including physical & human geography, geology, geophysics and atmospheric science.

The bachelor of science geology concentration is designed to prepare students for admission to a graduate program in geology and employment as a professional geologist. While the bachelor of arts geology concentration is designed to provide a broad liberal arts education in the principles of geosciences for students with interests in earth processes and natures initiation of and response to continuous change. We offer Bachelor of Arts, Bachelor of Science, Master of Science, and Doctor of Philosophy degree programs.

**A Wealth of Opportunities Await**

- **Undergraduate Research**
  The department encourages undergraduate students to work with professors in research laboratories and projects to obtain first-hand information about research in the earth and atmospheric sciences. We also encourage students to engage in the services provided by the Center for Undergraduate Research (CUR) to further enhance their research skills. CUR serves as a resource by identifying faculty mentors interested in developing research projects and matching students with these faculty mentors. Visit the CUR website for more information: [www.undergraduateresearch.ttu.edu](http://www.undergraduateresearch.ttu.edu).

- **Study Abroad**
  Want to Study in Spain or Italy? Why not earn academic credit towards your major or minor while learning and living in a foreign country. Improve your foreign language skills and learn about other cultures while having fun and meeting new people.

- **Graduate Education**
  With over 160 different master's and doctoral degree programs complimented by interdisciplinary programs from 50 specialized centers and institutes, the Texas Tech Graduate School offers unlimited opportunity for advancement.

- **Professional Career**
  Graduates of the program can be found at work in the petroleum industry, state and federal agencies, geological surveys, research institutions, universities, museums, and the natural resource industries.

**Texas Common Course Number System (TCCNS)**

The Texas Common Course Numbering System (TCCNS) aids students in the transfer of general academic courses between Texas public colleges and universities throughout the state. Course recommendations in this transfer guide are expressed in TCCNS designations.

**Applying Transfer Hours to a Four-year Degree**

- The Transfer Evaluation Office in the Office of the Registrar at Texas Tech determines which courses taken at another institution may be accepted for credit.

- The academic associate dean of the Texas Tech college in which a student enrolls has authority for determining which courses will be applied toward the specific degree program chosen.

- Students must earn a grade of C or better for all courses fulfilling requirements in majors, minors, or specialization's.

- A maximum of 66 semester credit hours from two-year institutions may be applied toward the baccalaureate degree at four-year institutions. Although, all credit hours presented on the sending institution's transcripts will be evaluated and equivalent college level courses posted to the student's academic record.

For more information on transfer course equivalencies, access the Texas Tech Transfer Equivalency Guidebooks: [http://www.depts.ttu.edu/registrar/TEO/teo_printableEquivalencyGuidebooks.asp](http://www.depts.ttu.edu/registrar/TEO/teo_printableEquivalencyGuidebooks.asp)
Optimum Course Sequencing Plan:

<table>
<thead>
<tr>
<th>Catalog</th>
<th>2011-2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>College</td>
<td>College of Arts and Sciences</td>
</tr>
<tr>
<td>Department</td>
<td>Geosciences</td>
</tr>
<tr>
<td>Degree</td>
<td>Bachelor of Science</td>
</tr>
</tbody>
</table>

Geosciences w/geology concentration

- GPA for Admission to TTU: 12-23 hours = 2.50 cumulative  
- GPA Needed to Declare Major: ≥ 24 hours = 2.25 cumulative  
- Minimum Hours for Degree: 2.00 cumulative  
- 120 semester credit hours

FIRST YEAR

FALL

Course                                      | Semester Hours | Grade Needed | Grade Earned
--------------------------------------------|----------------|--------------|---------------
ENGL 1301                                   | 3              | 3            | ≥ C           
MATH 2313                                   | 3              | 3            | ≥ C           
GEOL 1403                                   | 4              | 3            | ≥ C           
CHEM 1411 (or 1311&1111)                    | 3              | 3            | ≥ C           
Foreign Language 1411*                      | 4              |              |              

Spring Total                                 | 17             |

SCHolarship Application

2. Feb 1 - Complete scholarship application online at www.scholarships.ttu.edu/scholarship.


4. After you receive your admit letter, watch for an email invitation to Red Raider Orientation and register to attend.

Summer

Attend Red Raider Orientation

BEGIN THIRD YEAR AT TEXAS TECH  
From here, it’s possible.