BACHELOR OF SCIENCE (B.S.) MAJOR IN GEOGRAPHY URBAN AND REGIONAL PLANNING

Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. This major requires students to select a minor from the approved list of Undergraduate Minors (http://mycatalog.txstate.edu/undergraduate/minors/) offered at Texas State. Students interested in entering the professional planning field are strongly advised to consider a minor in Public Administration, Business Administration, or Construction Science and Management; however, other minors may be appropriate depending on a student's interests and career goals. Students are encouraged to meet with an academic advisor to review minor options and degree requirements.

3. This major requires a minimum of 36 semester credit hours of Geography courses.

4. To satisfy graduation requirements, students must have at least a 2.50 major GPA for Geography and at least a 2.25 Texas State GPA. Students must make a grade of "C" or better in all Geography courses that are to be counted for credit toward their major.

5. Required major courses include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 1309</td>
<td>Introduction to Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td>GEO 1310</td>
<td>World Geography</td>
</tr>
<tr>
<td>GEO 2410</td>
<td>Introduction to Physical Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEO 2426</td>
<td>Fundamentals of Geographic Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3301</td>
<td>Research Methods in Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Required Geography core courses include the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3310</td>
<td>Urban Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3320</td>
<td>Community and Regional Planning</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4321</td>
<td>Cities and Urban Design</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4338</td>
<td>Planning Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

7. Required Geography techniques courses include at least one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3411</td>
<td>Maps and Mapmaking</td>
<td></td>
</tr>
<tr>
<td>GEO 3416</td>
<td>Remote Sensing and Earth Observation</td>
<td></td>
</tr>
<tr>
<td>GEO 3426</td>
<td>Advanced GIS</td>
<td></td>
</tr>
</tbody>
</table>

8. This major also requires an additional three hours of ENG 3303 with a grade of "C" or higher.

9. Geography electives to bring the required Geography hours to 36 should be selected in consultation with an advisor from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3303</td>
<td>Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3313</td>
<td>Natural Resource Use and Management</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3321</td>
<td>Energy Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3323</td>
<td>Researching the City</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3340</td>
<td>Political Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3349</td>
<td>World Population</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3353</td>
<td>American Ethnic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3426</td>
<td>Advanced GIS</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3434</td>
<td>Water Resources</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4310</td>
<td>Regional Field Studies</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4313</td>
<td>Environmental Management</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4314</td>
<td>River Basin Management</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4326</td>
<td>Parks and Protected Places</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4336</td>
<td>Transportation Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4339</td>
<td>Environmental Hazards</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4341</td>
<td>Water Policy</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4350</td>
<td>Solid Waste Planning and Management</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4380</td>
<td>Internship in Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4430</td>
<td>Field Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

Select a maximum of 3 credit hours from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 1305</td>
<td>Meteorology</td>
<td></td>
</tr>
<tr>
<td>GEO 1309</td>
<td>Introduction to Cultural Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 1310</td>
<td>World Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 2310</td>
<td>Global Environmental Change</td>
<td></td>
</tr>
<tr>
<td>Any 3000-4000 level course</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students may select one regional course as a Geography Elective from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3307</td>
<td>Geography of Europe</td>
<td></td>
</tr>
<tr>
<td>GEO 3308</td>
<td>Latin America</td>
<td></td>
</tr>
<tr>
<td>GEO 3309</td>
<td>United States and Canada</td>
<td></td>
</tr>
<tr>
<td>GEO 3328</td>
<td>Geography of North Africa and the Middle East</td>
<td></td>
</tr>
<tr>
<td>GEO 3329</td>
<td>Geography of Texas</td>
<td></td>
</tr>
<tr>
<td>GEO 3332</td>
<td>Geography of South and Southeast Asia</td>
<td></td>
</tr>
<tr>
<td>GEO 3333</td>
<td>Geography of East Asia</td>
<td></td>
</tr>
<tr>
<td>GEO 4306</td>
<td>Geography of the Southwest</td>
<td></td>
</tr>
<tr>
<td>GEO 4328</td>
<td>Geography of the Russian Realm</td>
<td></td>
</tr>
</tbody>
</table>

10. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).

11. The minimum number of hours required for this degree program is 120. The number of free elective hours a student will complete depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.

12. Nine hours of writing intensive (WI) courses are required for graduation.
### Course Requirements

<table>
<thead>
<tr>
<th>Freshman</th>
<th>First Semester Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Component Code 010</td>
<td>3</td>
<td>Communication Component Code 010</td>
</tr>
<tr>
<td>Mathematics Component Code 020&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3 Life and Physical Sciences Component Code 030</td>
<td>3</td>
</tr>
<tr>
<td>Life and Physical Sciences Component Code 030</td>
<td>3 American History</td>
<td>3</td>
</tr>
<tr>
<td>Government/Political Science Component Code 070</td>
<td>3 Government/Political Science Component Code 070</td>
<td>3</td>
</tr>
<tr>
<td>GEO 1309 or 1310 (TCCN GEOG 1302 or 1303)</td>
<td>3 GEO 2410</td>
<td>4</td>
</tr>
<tr>
<td>US 1100</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total Hours:</strong></td>
<td><strong>16</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore</th>
<th>First Semester Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language, Philosophy, and Culture Component Code 040</td>
<td>3</td>
<td>ENG Literature (Component Area Option Code 090/094)&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>American History Component Code 060</td>
<td>3 Modern Language 1420 (if required) or Elective</td>
<td>4</td>
</tr>
<tr>
<td>Social and Behavioral Sciences Component Code 080 (not including GEO 1310)</td>
<td>3 GEO 2426</td>
<td>4</td>
</tr>
<tr>
<td>Modern Language 1410 (if required) or Elective</td>
<td>4 GEO 3310</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3301</td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total Hours:</strong></td>
<td><strong>16</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior</th>
<th>First Semester Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creative Arts Component Code 050</td>
<td>3 Component Area Option Code 090/091</td>
<td>3</td>
</tr>
<tr>
<td>ENG 3303</td>
<td>3 GEO 3411, 3416, 3426, 4380, or 4430</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3320</td>
<td>3 GEO Elective</td>
<td>3</td>
</tr>
<tr>
<td>GEO Elective</td>
<td>3 Minor</td>
<td>6</td>
</tr>
<tr>
<td>Minor</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Hours:</strong></td>
<td><strong>15</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior</th>
<th>First Semester Hours</th>
<th>Second Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 4321</td>
<td>3 GEO 4338</td>
<td>3</td>
</tr>
<tr>
<td>GEO Elective (as needed)</td>
<td>3 Minor</td>
<td>3</td>
</tr>
<tr>
<td>Minor</td>
<td>6 Electives (as needed)</td>
<td>6</td>
</tr>
<tr>
<td>Elective (as needed)</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Hours:</strong></td>
<td><strong>15</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

**Total Hours: 120**

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<sup>1</sup> One course from the following may be chosen to satisfy the Mathematics Component Code 020: MATH 1315 (TCCN 1314), MATH 1317 (TCCN 1316), MATH 1319 (TCCN 1324), MATH 1329 (TCCN 1325), MATH 2321 (TCCN 2313), MATH 2417 (TCCN 2412), or MATH 2471 (TCCN 2413).

<sup>2</sup> An ENG Literature course may be selected from the following: ENG 2310 (TCCN ENGL 2322), ENG 2320 (TCCN ENGL 2323), ENG 2330 (TCCN ENGL 2332), ENG 2340 (TCCN ENGL 2333), ENG 2359 (TCCN ENGL 2327), ENG 2360 (TCCN ENGL 2328), ENG 2371.