**GEOGRAPHY - BS**

A student seeking a Bachelor of Science degree in Geography is expected to complete a minimum curriculum of 48 hours, with 42 of those hours in Geography including 9 hours chosen from any upper-level course in Human Geography, Geography of the Natural Environment, Human-Environment Interactions, or Geographic Information Science and Technology. Geography courses may include field trips outside scheduled class hours, including study abroad experiences.

Geography graduates apply their knowledge and analytical skills for jobs applying locational and environmental analysis for rewarding careers in education, business, or industry, local, state, and federal agencies, as well as nonprofit organizations. Advanced degrees provide greater career opportunities.

For students interested in a career in education, the Department of Geography works closely with the Department of Teaching, Learning, and Culture. Geography is part of a Social Studies composite degree program that prepares students to teach at middle and high school levels.

**Program Requirements**

<table>
<thead>
<tr>
<th>First Year</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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</tr>
<tr>
<td>GEOG 201</td>
<td>Introduction to Human Geography</td>
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<tr>
<td>GEOG 215</td>
<td>Geospatial Cornerstone</td>
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<tr>
<td>Life and physical sciences</td>
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<td>Select one of the following:</td>
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<tr>
<td>OCNG 251</td>
<td>Oceanography</td>
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<tr>
<td>OCNG 252</td>
<td>Oceanography Laboratory</td>
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<tr>
<td>GEOL 101</td>
<td>Principles of Geology</td>
</tr>
<tr>
<td>GEOL 102</td>
<td>Principles of Geology Laboratory</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
</tr>
<tr>
<td>CHEM 119</td>
<td>Fundamentals of Chemistry I</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>College Physics</td>
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<tr>
<td>American history (<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a>)</td>
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<tr>
<td>Communication (<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a>)</td>
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<tr>
<td>GEOG 203</td>
<td>Planet Earth</td>
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<tr>
<td>GEOG 213</td>
<td>Planet Earth Lab</td>
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<tr>
<td>MATH 140</td>
<td>Mathematics for Business and Social Sciences</td>
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<tr>
<td>ATMO 201</td>
<td>Weather and Climate</td>
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<td>ATMO 202</td>
<td>Weather and Climate Laboratory</td>
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<tr>
<td>GEOL 106</td>
<td>Historical Geology</td>
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<tr>
<td>BIOL 112</td>
<td>Introductory Biology II</td>
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<tr>
<td>CHEM 120</td>
<td>Fundamentals of Chemistry II</td>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>GEOG 232</td>
<td>Cartography and Visualization</td>
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<tr>
<td>MATH 142</td>
<td>Business Calculus</td>
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<tr>
<td>POLS 206</td>
<td>American National Government</td>
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<td>STAT 303</td>
<td>Statistical Methods</td>
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<td>Physical geography elective</td>
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<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
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<td>Creative arts (<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a>)</td>
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<tr>
<td>Human geography elective</td>
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<td>Physical geography elective</td>
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<td>General elective</td>
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<td>Semester Credit Hours</td>
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<th>Third Year</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>GEOG 390</td>
<td>Principles of Geographic Information Systems</td>
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<tr>
<td>American history (<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a>)</td>
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<td>Language, philosophy and culture (<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a>)</td>
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<tr>
<td>Geography elective</td>
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<td><strong>Spring</strong></td>
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<td>Communication (<a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a>)</td>
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<td>Geography elective</td>
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<td>General elective</td>
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<td>Semester Credit Hours</td>
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<th>Fourth Year</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>GEOG 450</td>
<td>Field Geography</td>
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<td>Semester Credit Hours</td>
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<tr>
<td>GEOG 440</td>
<td>History and Nature of Geography</td>
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<td>Semester Credit Hours</td>
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<td>Total Semester Credit Hours</td>
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1 8 hours required. Department requires that you take two in the same discipline to meet this requirement.
2 Select from GEOG 301, GEOG 304, GEOG 305, GEOG 306, GEOG 309, GEOG 311, GEOG 320, GEOG 323, GEOG 325, GEOG 327, GEOG 330, GEOG 401, GEOG 406, GEOG 420, GEOG 430.

3 Select from GEOG 324, GEOG 331, GEOG 335, GEOG 360, GEOG 370/MARS 370, GEOG 400, GEOG 434, GEOG 435, GEOG 442/GEOS 442.

4 Courses to be selected in consultation with advisor. Select any courses from 100-499 not used elsewhere. (Except AERS 100-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/aers/); ASCC 100-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/ascc/); ENGL 103; KINE 198, KINE 199; MATH 102-104, 131, 141-142, 150-151, 166, 171 (http://catalog.tamu.edu/undergraduate/course-descriptions/math/); MLSC 100-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/mlsc/); NVSC 100-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/nvsc/); SOMS 100-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/soms/); STAT 211, STAT 302, STAT 303;).

5 Choose from any 300 or 400-level geography course.

Two courses in the degree plan must be Writing Intensive courses designated by the department in the schedule of classes. Also, International and Cultural Diversity Elective (3 hours) and Cultural Discourse (3 hours) must be incorporated into the degree.