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 area from the approved list of Undergraduate Minors (http://www.mycatalog.txstate.edu/undergraduate/minors/) offered at Texas State. Various 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 TXST 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:

Code	Title	Hours
GEO 1309	Introduction to Cultural Geography	3
or GEO 1310	World Geography	
GEO 2410	Introduction to Physical Geography	4
GEO 2426	Fundamentals of Geographic Information Systems	4
GEO 3301	Research Methods in Geography	3

6. Required Geography core courses include the following:

Code	Title	Hours
GEO 3411	Maps and Mapmaking	4
GEO 3416	Remote Sensing and Earth Observation	4
GEO 3426	Advanced GIS	4

7. Required 4000-level Geography includes at least three courses from the following:

Code	Title	Hours
GEO 4411	Advanced Cartographic Design	4
GEO 4412	Digital Image Processing and Machine Learning	4
GEO 4420	GeoProgramming	4
GEO 4422	Web Mapping	4
GEO 4424	GPS and GIS	4
GEO 4427	GIS Consulting Practicum	4
GEO 4380	Internship in Geography	3
or GEO 4430	Field Methods	

Students cannot take both GEO 4380 and GEO 4430 to count towards 4000-level requirement

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

9. 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.

10. Nine hours of writing intensive (WI) courses are required for graduation.

Course Requirements

Freshman			
First Semester	**Hours**	**Second Semester**	**Hours**
Communication Component Code 010	3	Communication Component Code 010	3
Mathematics Component Code 020[1]	3	Life and Physical Sciences Component Code 030	3
Life and Physical Sciences Component Code 030	3	American History Component Code 060	3
Government/Political Science Component Code 070	3	Social and Behavioral Sciences Component Code 080 (not to include GEO 1310)	3
GEO 1309 or 1310 (TCCN GEOG 1302 or 1303)	3	GEO 2410	4
US 1100	1		
	16		**16**

Sophomore			
First Semester	**Hours**	**Second Semester**	**Hours**
Language, Philosophy, and Culture Component Code 040	3	Component Area Option Code 090/091	3
American History Component Code 060	3	Computer Science, Computer Infomation Systems, or Mathematics Course (not to include MATH 1312 or MATH 1316)	3
Government/Political Science Component Code 070	3	Modern Language 1420 (if required) or Elective	4
Modern Language 1410 (if required) or Elective	4	GEO 3301	3
GEO 2426	4	Minor	3
	17		**16**

Junior			
First Semester	**Hours**	**Second Semester**	**Hours**
Creative Arts Component Code 050	3	GEO 3411	4
ENG Literature (Component Area Option Code 090/094)[2]	3	GEO 3416	4
GEO 3426	4	Minor	6
Minor	3		
	13		**14**

Senior			
First Semester	**Hours**	**Second Semester**	**Hours**
ENG 3303 (BS Literature or Technical Writing)	3	GEO 4411, 4412, 4420, 4422, 4424, 4427, 4380, or 4430	4
GEO 4411, 4412, 4420, 4422, 4424, 4427, 4380, or 4430	4	Minor	3
GEO 4411, 4412, 4420, 4422, 4424, 4427, 4380, or 4430	4	Electives (as needed)	7

Minor	3	
	14	**14**

Total Hours: 120

[1] 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).

[2] 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