

Minimum required: 120 semester credit hours

General Requirements

- 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.
- This major requires students to select a minor from the approved list of Undergraduate Minors (<http://www.mycatalog.txstate.edu/undergraduate/minors/>) offered at Texas State. Recommended minors are Biology, Chemistry, Geology, Anthropology, Computer Science, Mathematics, Plant and Soil Science, and Physics; 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.
- This major requires a minimum of 36 semester credit hours of Geography courses.
- 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.
- 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

- Required Geography core courses include the following:

Code	Title	Hours
GEO 2310	Global Environmental Change	3
GEO 3313	Natural Resource Use and Management	3

Select at least two of the following:

GEO 3321	Energy Resource Management	
GEO 3434	Water Resources	
GEO 4350	Solid Waste Planning and Management	
GEO 4352	Air Quality Management	

- Required Geography capstone is GEO 4313.
- Geography electives to bring the required Geography hours to 36 should be selected in consultation with an advisor from the following courses:

Code	Title	Hours
GEO 1305	Meteorology	3
GEO 3303	Economic Geography	3
GEO 3305	Climatology	3
GEO 3310	Urban Geography	3
GEO 3320	Community and Regional Planning	3
GEO 3335	Oceanography	3
GEO 3340	Political Geography	3

GEO 3349	World Population	3
GEO 3425	Geomorphology	4
GEO 3426	Advanced GIS	4
GEO 4309	Cultural and Political Ecology	3
GEO 4310	Regional Field Studies	3
GEO 4314	River Basin Management	3
GEO 4316	Landscape Biogeography	3
GEO 4322	Interpretive Environmental Geography	3
GEO 4325	Fluvial Processes	3
GEO 4326	Parks and Protected Places	3
GEO 4334	Groundwater Resources	3
GEO 4339	Environmental Hazards	3
GEO 4341	Water Policy	3
GEO 4380	Internship in Geography	3
GEO 4412	Digital Image Processing and Machine Learning	4

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

GEO 3307	Geography of Europe	
GEO 3308	Latin America	
GEO 3309	United States and Canada	
GEO 3328	Geography of North Africa and the Middle East	
GEO 3329	Geography of Texas	
GEO 3332	Geography of South and Southeast Asia	
GEO 3333	Geography of East Asia	
GEO 4306	Geography of the Southwest	
GEO 4328	Geography of the Russian Realm	

- Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
- 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.
- Nine hours of writing intensive (WI) courses are required for graduation.

Course Requirements

	First Semester Hours	Second Semester Hours	Freshman
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	Government/Political Science Component Code 070	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 Creative Arts Component Code 050	3
American History Component Code 060	3 ENG Literature (Component Area Option Code 090/094) ²	3
Social and Behavioral Sciences Component Code 080 (not to include GEO 1310)	3 Modern Language 1420 (if required) or Elective	4
Modern Language 1410 (if required) or Elective	4 GEO 2310	3
GEO 3301	3 Minor	3
16		16

Junior		
First Semester Hours	Second Semester Hours	
Component Area Option Code 090/091	3 GEO 3321, 3434, 4350, or 4352	3-4
ENG 3303 (BS Literature or Technical Writing)	3 GEO Electives	6
GEO 2426	4 Minor	3
GEO 3313	3 Elective (as needed)	3
Minor	3	
16		15

Senior		
First Semester Hours	Second Semester Hours	
GEO 3321, 3434, 4350, or 4352	3-4 GEO 4313	3
GEO Elective	3 Minor	6
Minor	3 Elective (as needed)	4
Elective (as needed)	3	
12		13

Total Hours: 120

¹ A Mathematics course may be chosen from the following to satisfy the Mathematics Component Code 020 for this major: MATH 1315 (TCCN MATH 1314), MATH 1317 (TCCN MATH 1316), MATH 1319 (TCCN MATH 1324), MATH 1329 (TCCN MATH 1325), MATH 2321 (TCCN MATH 1323), MATH 2417 (TCCN MATH 2412), or MATH 2471 (TCCN MATH 2413)

² An English Literature course may be chosen from the following to satisfy the Component Option Code 090/094 for this major: 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), or ENG 2371.