

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, Computer Science, Geology, Mathematics, 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 3305	Climatology	3
GEO 3425	Geomorphology	4
Select at least two courses from the following:		6
GEO 1305	Meteorology	
GEO 3335	Oceanography	
GEO 4316	Landscape Biogeography	
GEO 4325	Fluvial Processes	

- Required Geography techniques courses include at least two courses from the following:

Code	Title	Hours
GEO 3411	Maps and Mapmaking	4
GEO 3416	Remote Sensing and Earth Observation	4
GEO 3426	Advanced GIS	4
GEO 4412	Digital Image Processing and Machine Learning	4
GEO 4422	Web Mapping	4
GEO 4424	GPS and GIS	4
GEO 4430	Field Methods	4

- 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 2310	Global Environmental Change	3
GEO 2420	Introduction to Geographic Information Techniques	4
GEO 2427	Management and Implementation of GIS	4
GEO 3321	Energy Resource Management	3
GEO 3434	Water Resources	4
GEO 3349	World Population	3
GEO 4310	Regional Field Studies	3
GEO 4313	Environmental Management	3
GEO 4314	River Basin Management	3
GEO 4325	Fluvial Processes	3
GEO 4334	Groundwater Resources	3
GEO 4339	Environmental Hazards	3
GEO 4350	Solid Waste Planning and Management	3
GEO 4380	Internship in Geography	3

Student 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

		Freshman	
		First Semester Hours	Second Semester Hours
Communication Component Code 010		3	Communication Component Code 010
MATH 1315, 1317, 1319, 1329, 2321, 2417, or 2471 (Mathematics Component Code 020 [TCCN MATH 1314, 1316, 1324, 1325, 1323, 2412, or 2413])		3-4	Life and Physical Sciences Component Code 030
Life and Physical Sciences Component Code 030		3	American History Component Code 060

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 Component Area Option Code 090/091	3
American History Component Code 060	3 Modern Language 1420 (if required) or Elective	4
Modern Language 1410 (if required) or Elective	4 GEO 3301	3
GEO 2426	4 GEO 3411, 3416, 3426, 4412, 4422, 4424, or 4430	4
GEO 3305	3	
	17	14

Junior

First Semester Hours	Second Semester Hours	
Social and Behavioral Sciences Component Code 080 (not to include GEO 1310)	3 Creative Arts Component Code 050	3
GEO 3425	4 ENG 2310, 2320, 2330, 2340, 2359, 2360, or 2371 (Component Area Option Code 090/094 [TCCN ENGL 2322, 2323, 2332, 2333, 2327, or 2328])	3
GEO 3411, 3416, 3426, 4412, 4422, 4424, or 4430	4 GEO 1305, 3335, 4316, or 4325	3
Minor	3 Minor	6
	14	15

Senior

First Semester Hours	Second Semester Hours	
ENG 3303 (BS Literature or Technical Writing)	3 GEO Elective	3
GEO 1305, 3335, 4316, or 4325	3 Minor	3
Minor	6 Electives (as needed)	7
Elective (as needed)	3	
	15	13

Total Hours: 120