

BACHELOR OF SCIENCE (B.S.) MAJOR IN GEOGRAPHY WATER RESOURCES

**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. Various minors may be appropriate depending upon your interests and career goals. Biology, Chemistry, Geology, Political Science, Anthropology, Business Administration, Plant and Soil Science, or Nature and Heritage Tourism are highly recommended. Discuss other possible options with your academic advisor.
- 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 Geography major courses include the following:

Code	Title	Hours
GEO 1309 or GEO 1310	Introduction to Cultural Geography World Geography	3
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 3434	Water Resources	4
GEO 4314	River Basin Management	3
GEO 4325	Fluvial Processes	3
GEO 4334 or GEOL 4421	Groundwater Resources Hydrogeology	3
GEO 4341 or GEO 4317	Water Policy Water Resources Planning	3

- Required Geography elective course (3 hours) is to be selected in consultation with your academic advisor.
- 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 semester credit hours must be writing intensive (WI).

Course Requirements

Freshman	
First Semester Hours	Second Semester Hours
ENG 1310 (Communication Component Code 010 [TCCN ENGL 1301])	3 American History Component Code 060
US 1100	1 ENG 1320 (Communication Component Code 010 [TCCN ENGL 1302])
POSI 2310 (Government/Political Science Component Code 070 [TCCN GOVT 2306])	3 Life and Physical Sciences Component Code 030
Life and Physical Sciences Component Code 030	3 GEO 2410
GEO 1309 or 1310 (TCCN GEOG 1302 or 1303)	3
Mathematics Component Code 020	3
16	13

Sophomore	
First Semester Hours	Second Semester Hours
COMM 1310 (Component Area Option Code 090/091 [TCCN SPCH 1311])	3 POSI 2320 (Government/Political Science Component Code 070 [TCCN GOVT 2305])
ENG Literature (Component Area Option Code 090/094) [TCCN ENGL 2322, 2323, 2332, 2333, 2327 or 2328]	3 ENG Literature Select one of the following:
Modern Language 1410 (if required), or elective)	4 ENG 2310 (TCCN ENGL 2322)
American History Component Code 060	3 ENG 2320 (TCCN ENGL 2323)
GEO 3301	3 ENG 2330 (TCCN ENGL 2332)
	ENG 2340 (TCCN ENGL 2333)
	ENG 2359 (TCCN ENGL 2327)
	ENG 2360 (TCCN ENGL 2328)
	Modern Language 1420 (if required), or elective)
	PHIL 1305 or 1320 (Language, Philosophy, and Culture Component Code 040 [TCCN PHIL 1301 or 2306])
	GEO 2426
16	17

		Junior	
	First Semester Hours	Second Semester Hours	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050 [TCCN HUMA 1315])	3 Minor		6
Social and Behavioral Sciences Component Code 080	3 Electives (as needed)		3
Minor	3 GEO Advanced Required/ Electives		7
GEO Advanced Required/ Electives	6		
	15		16
		Senior	
	First Semester Hours	Second Semester Hours	
Minor	3 Minor		6
Electives (as needed)	6 Electives (as needed)		3
GEO Advanced Required/ Electives	6 GEO Advanced Required/ Electives		3
	15		12
Total Hours: 120			