

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 area of study 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 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	Water Policy	3

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

Code	Title	Hours
GEO 3411	Maps and Mapmaking	4
GEO 3416	Principles of Remote Sensing	4
GEO 4430	Field Methods	4

- Majors 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)	3	HIST 1310 (American History Component Code 060)	3
US 1100	1	ENG 1320 (Communication Component Code 010)	3
POSI 2310 (Government/Political Science Component Code 070)	3	Life & Physical Sciences Component Code 030	3
Life & Physical Sciences Component Code 030	3	GEO 2410	4
GEO 1309 or 1310	3		
Mathematics Component Code 020	3		
	16		13

		Sophomore	
	First Semester Hours	Second Semester Hours	
COMM 1310 (Component Area Option Code 090/091)	3	POSI 2320 (Government/Political Science Component Code 070)	3
ENG Literature (Component Area Option Code 090/094)	3	ENG Literature Select one of the following:	3
Modern Language 1410 (if required), or elective)	4	ENG 2310	
HIST 1320 (American History Component Code 060)	3	ENG 2320	
GEO 3301	3	ENG 2330	
		ENG 2340	
		ENG 2359	
		ENG 2360	
		Modern Language 1420 (if required), or elective)	4
		PHIL 1305 or 1320 (Language, Philosophy & Culture Component Code 040)	3
		GEO 2426	4
	16		17

		Junior	
	First Semester Hours	Second Semester Hours	
ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)	3	Minor	6
Social & Behavioral Sciences Component Code 080	3	Free Electives (as needed)	3

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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
Free Electives (as needed)	6 Free Electives (as needed)	3
GEO Advanced Required/ Electives	6 GEO Advanced Required/ Electives	3
	15	12

Total Hours: 120