

BACHELOR OF SCIENCE, MAJOR IN GEOGRAPHY (ENVIRONMENT, CULTURE, AND DEVELOPMENT)

Code	Title	Hours
Bachelor of Science, Major in Geography (Environment, Culture, and Development)		
Core Curriculum (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/)		
Component Area I (Communication)		6
Component Area II (Mathematics) ¹		3
Component Area III (Life and Physical Science) ²		8
Component Area IV (Language, Philosophy, and Culture) ³		3
Component Area V (Creative Arts)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences) ⁴		3
Component Area IX (Component Area Option)		4
Degree Specific Requirements		
Eight hours (two courses) of Life and Physical Sciences (beyond the Core Curriculum)		8
MATH 1342 or STAT 3379	Elementary Statistics ¹ Statistical Methods in Practice	3
Major: Foundation		
GEOG 1401	Weather and Climate (Component Area III) ²	4
GEOG 2464	Introduction to Geographic Information Systems (GIS)	4
GEOG 3301	Environmental Geography (Advanced Environmental Core)	3
GEOG 3350	Cultural Geography (Advanced Human Core)	3
Introduction of Regional Geography		
(Select one from the following:)		3
GEOG 1300	People, Places, and the Environment ⁴	
GEOG 2355	World Regional Geography: Europe, Asia, and Australia ³	
GEOG 2356	World Regional Geography: Latin America, Africa, South Asia ³	
GEOG 3359	Regional Geography: the United States and Canada (Can only be taken once)	
Physical Geography		
(Select one from the following:)		3-4
GEOG 2341	Physical Geography	
GEOL 1403	Physical Geology ²	
GEOL 1405	Geologic & Environmental Hazards ²	
Major: Required (Concentration)		
Human Geography		
(Select four from the following:)		12
GEOG 3310	Sustainable Development	
GEOG 3352	Tourism Geography	
GEOG 3359	Regional Geography: the United States and Canada (Can only be taken once)	
GEOG 4351	Economic Geography	
GEOG 4356	Urban Geography	
GEOG 4357	Population Geography	
GEOG 4359	Transportation Geography	
GEOG 4360	Cultural Field Study	
Physical and Environmental Geography		
(Select four from the following:)		12
GEOG 3320	Sustainability & Environment	
GEOG 3340	Meteorology	

GEOG 3342	Climatology	
GEOG 4100	Earth and Environment Seminar	
GEOG 4330	Hydrology and Water Resources	
GEOG 4331	Conservation of Natural Resources	
GEOG 4333	Field Studies	
GEOG 4432	Geomorphology	
Advanced Geo-Spatial Technique Courses		
(Select one from the following:)		3-4
GEOG 3363	Computer Cartography	
GEOG 4311	GIS in Law Enforcement	
GEOG 4361	Geographic Information Systems for Public Health	
GEOG 4365	Applied Geographic Information Systems (GIS)	
GEOG 4367	GIS Programming	
GEOG 4468	Remote Sensing	
Major: Prescribed Electives		
Advanced GEOG or GEOL Elective		3
GEOG Elective ⁵		3
Minor: Required ^{6, 7}		
Minor		18
Total Hours		120-122

¹ MATH 1342 satisfies the Core Curriculum requirement for Component Area II (Mathematics).

² GEOG 1401, GEOL 1403, or GEOL 1405 satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science).

³ GEOG 2355, GEOG 2356, WOLC 2311, or WOLC 2312 satisfies the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture).

⁴ GEOG 1300 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).

⁵ Additional GEOG electives may be necessary depending on student course selection with Core Curriculum overlap.

⁶ 12 semester credit hours from minor courses should be used to meet 42 advanced hours requirement.

⁷ All minors can be paired with this degree program.

Notes

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

First Year

Fall	Hours	Spring	Hours
Component Area II (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii) ¹		3 Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)		1 ENGL 1302 ²	3
ENGL 1301 ²		3 HSTY 1302 ⁴	3
GEOG 1401 ³		4 Introduction of Regional Geography ^{5, 6, 7}	3
HSTY 1301 ⁴		3 POLS 2305 ⁸	3
14		16	

Second Year

Fall	Hours	Spring	Hours
Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)		4 Component Area VIII (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
Component Area V (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)		3 GEOG 3301	3
GEOG 2341, GEOL 1403, or GEOL 1405 ³		3-4 GEOG 3350	3
MATH 1342 or STAT 3379 ¹		3 Minor Course ⁹	3
POLS 2306 ⁸		3 Physical and Environmental Geography ¹¹	3
16-17			15

Third Year

Fall	Hours	Spring	Hours
Advanced GEOG or GEOL		3 Component Area IV (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv)	3
GEOG 2464		4 Component Area IX (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	3
Human Geography ¹⁰		3 Advanced Geo-Spatial Techniques ¹²	3-4
Minor Course ⁹		3 Advanced Minor Course ⁹	3
Physical and Environmental Geography ¹¹		3 Human Geography ¹⁰	3
16			15-16

Fourth Year

Fall	Hours	Spring	Hours
Advanced Minor ⁹		6 Advanced Minor ⁹	3
Component Area III (https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)		4 GEOG Elective ¹³	3
Human Geography ¹⁰		3 Human Geography ¹⁰	3
Physical and Environmental Geography ¹¹		3 Physical and Environmental Geography ¹¹	3
16			12

Total Hours: 120-122

¹ MATH 1342 satisfies the Core Curriculum requirement for Component Area II (Mathematics).

² Satisfies the Core Curriculum requirement for Component Area I (Communication).

³ GEOG 1401 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=GEOG%201401>), GEOL 1403 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=GEOL%201403>), or GEOL 1405 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=GEOL%201405>) satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science).

⁴ Satisfies the Core Curriculum requirement for Component Area VI (U.S. History).

⁵ See Introduction of Regional Geography Courses list below.

⁶ GEOG 1300 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=GEOG%201300>) satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).

⁷ GEOG 2355 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=GEOG%202355>), GEOG 2356 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=GEOG%202356>), WOLC 2311 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=WOLC%202311>), or WOLC 2312 (<https://catalog.shsu.edu/archives/2025-2026/search/?P=WOLC%202312>) satisfies the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture).

⁸ Satisfies the Core Curriculum requirement for Component Area VII (Political Science/Government).

⁹ 12 semester credit hours of the minor should be used to meet the 42 advanced hours requirement.

¹⁰ See Human Geography Courses list below.

¹¹ See Physical and Environmental Geography Courses list below.

¹² See Advanced Geo-Spatial Technique Courses list below.

¹³ Additional GEOG electives may be necessary depending on student course selection with Core Curriculum overlap.

Code	Title	Hours
Introduction of Regional Geography Courses ⁵		
Select one from the following:		
GEOG 1300	People, Places, and the Environment	3
GEOG 2355	World Regional Geography: Europe, Asia, and Australia	3
GEOG 2356	World Regional Geography: Latin America, Africa, South Asia	3
GEOG 3359	Regional Geography: the United States and Canada	3
Code Title Hours		
Human Geography Courses ¹⁰		
Select four from the following:		
GEOG 3310	Sustainable Development	3
GEOG 3352	Tourism Geography	3
GEOG 3359	Regional Geography: the United States and Canada	3
GEOG 4351	Economic Geography	3
GEOG 4356	Urban Geography	3
GEOG 4357	Population Geography	3
GEOG 4359	Transportation Geography	3
GEOG 4360	Cultural Field Study	3
Code Title Hours		
Physical and Environment Geography Courses ¹¹		
Select four from the following:		
GEOG 3320	Sustainability & Environment	3
GEOG 3340	Meteorology	3
GEOG 3342	Climatology	3
GEOG 4100	Earth and Environment Seminar	1
GEOG 4330	Hydrology and Water Resources	3
GEOG 4331	Conservation of Natural Resources	3
GEOG 4333	Field Studies	3
GEOG 4432	Geomorphology	4
Code Title Hours		
Advanced Geo-Spatial Technique Courses ¹²		
Select one from the following:		
GEOG 3363	Computer Cartography	3
GEOG 4311	GIS in Law Enforcement	3
GEOG 4361	Geographic Information Systems for Public Health	3
GEOG 4365	Applied Geographic Information Systems (GIS)	3
GEOG 4367	GIS Programming	3
GEOG 4468	Remote Sensing	4

Notes

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The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's **60x30TX plan** and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Geography (Environment, Culture, and Development) is designed to provide graduates with the following marketable skills:

- Use the scientific method to address environmental and human problems.
- Think critically and problem solve.
- Use statistics to evaluate hypotheses.
- Communicate and engage with technical writing.
- Gather, manage, analyze, and interpret spatially referenced data.
- Work with maps, spatially referenced databases, and range of geospatial technologies.
- Apply knowledge and awareness of ecosystems and cultural environments in order to address a range of environmental and social issues.