

# BACHELOR OF SCIENCE, MAJOR IN GEOGRAPHY, GEO-SPATIAL INFORMATION SCIENCES

## Bachelor of Science, Major in Geography, Geo-spatial Information Sciences

**Core Curriculum** ([catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum](http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum))

Component Area I (Communication)		6
Component Area II (Mathematics)		3
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture)		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)		3
Component Area IX (Component Area Option)		4
<b>Degree Specific Requirements</b>		
MATH 1369	Elementary Statistics	3
PHIL 2303	Critical Thinking (or PHIL 3372 or MATH) <sup>1</sup>	3
8 hours (2 courses) of Life and Physical Sciences (beyond the Core Curriculum)		8
<b>Major</b>		
Introductory Geography (choose 2 of the following)		6-7
GEOG 1321	People, Place and the Envrnmt	
GEOG 1401	Weather and Climate <sup>2</sup>	
GEOG 2355	World Reg Geo-Eur Asia Aust	
GEOG 2356	Reg Geo-Lat Am Africa So Asia	
Human or Environmental Geography (choose one of the following)		3
GEOG 2341	Physical Geography	
GEOG 3301	Environmental Geography	
GEOG 3350	Cultural Geography	
Core of Concentration		
GEOG 2464	Intro to Geographic Info Sys	4
GEOG 4365	Applied Geographic Info Systms	3
GEOG 3363	Computer Cartography	3
GEOG 4361	Geographic Information Systems for Public Health	3
GEOG 4468	Remote Sensing	4
Applied Cognate (Choose two of the following)		6-7
GEOG 3310	Sustainable Development	
GEOG 4351	Economic Geography	
GEOG 4356	Urban Geography	
GEOG 4357	Population Geography	
GEOG 4359	Transportation Geography	
GEOG 4432	Geomorphology	
Advanced Geography Electives		3
Geography Electives		3
Minor (required)		18
Electives <sup>3</sup>		9
Total Hours		121-123

<sup>1</sup> PHIL 2303 satisfies the Core Curriculum requirement for Component Area VIII (Social and Behavioral Sciences).

<sup>2</sup> GEOG 1401 satisfies the Core Curriculum requirement for Component Area III (Life and Physical Science) OR the degree specific requirement for Life and Physical Science.

<sup>3</sup> Electives should be used to meet the 120 SCH and 42 advanced hour requirements.

**First Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
Component Area II (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaii)	3 ENGL 1302 <sup>1</sup>	3
Component Area IX (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	4 HIST 1301 <sup>3</sup>	3
ENGL 1301 <sup>1</sup>	3 MATH 1369	3
Introductory GEOG Courses <sup>2</sup>	6-7 PHIL 2303 (or MATH) POL 2305 <sup>4</sup>	3 3
	16-17	15

**Second Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
HIST 1302 <sup>3</sup>	3 Component Area V (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)	3
Life and Physical Sciences	4 Minor Course	3
POLS 2306 <sup>4</sup>	3 Life and Physical Science	4
GEOG 2464	4 GEOG 4365 GEOG 4361	3 3
	14	16

**Third Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
Component Area IV (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiiv)	3 GEOG Elective	3
Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4 Component Area III (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii)	4
Elective <sup>5</sup>	3 Minor Course	6
GEOG 3301 or 3350	3 GEOG 3363	3
Minor Course	3	
	16	16

**Fourth Year**

<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
Component Area VIII (catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3 Elective <sup>5</sup>	6
GEOG Applied Cognate Course <sup>6</sup>	3 Minor Course	3
Minor Course	3 GEOG Advanced Elective	3
GEOG 4468	4 GEOG Applied Cognate Course <sup>6</sup>	3-4
	13	15-16

Total Hours: 121-123

<sup>1</sup> Satisfies Core Curriculum requirement for Component Area I (Communications).<sup>2</sup> INTRODUCTORY GEOG courses: GEOG 1321, GEOG 1401, GEOG 2355, GEOG 2356, or GEOG 2341. GEOG 1401 also satisfies Core Curriculum Area III (life and physical sciences)<sup>3</sup> Satisfies Core Curriculum requirement for Component Area VI (U.S. History).<sup>4</sup> Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).<sup>5</sup> Electives should be used to get to 120 SCH and 42 advanced hours<sup>6</sup> GEOG Applied Congregate Courses: GEOG 3310, GEOG 4331, GEOG 4356, GEOG 4357 GEOG 4359 GEOG 4432