

# GEOSCIENCES | BACHELOR OF SCIENCE IN GEOSCIENCES (GEOGRAPHY)

## Degree Maps

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
ENG 102	English Composition II (SGE010 - English Discipline Area)	3
COMM 100	Fundamentals of Oral Communication (SGE020 - Communication Discipline Area)	3
GSCI 101 & GSCI 103	Earth and Environmental Systems and Earth and Environmental Systems Laboratory	4
UNIV 101	Freshman Seminar	1
SGE030 - Math Statistics Discipline Area		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
ENG 102	English Composition II (SGE010 - English Discipline Area)	3
GSCI 100 & GSCI 102	Exploring Earth and Exploring Earth Laboratory	4
SGE070 - Institutionally Designated Area: Critical Thinking		3
SGE040 - Natural Physical Science Discipline Area		4
<b>Hours</b>		<b>14</b>
<b>Second Year</b>		
<b>Fall</b>		
GSCI 105	Cultural Geography	3
GSCI 240	Introduction to Geographic Information Systems (GIS)	3
SGE070 - Institutionally Designated Area: Personal and Professional Development		3
SGE050 - Social Behavioral Sciences Discipline Area		3
SGE060 - Arts Humanities Discipline Area		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
GSCI 110	World Geography	3
GSCI 360	Intermediate Geographic Information Systems	3
GSCI 321 or GSCI 600	United States Geography or Kansas Geography	3
SGE050 - Social Behavioral Sciences Discipline Area		3
SGE060 - Arts Humanities Discipline Area		3
<b>Hours</b>		<b>15</b>
<b>Third Year</b>		
<b>Fall</b>		
GSCI 290	Cartography: Theory and Applications	3
GSCI 625 or GSCI 674	Advanced Geographic Information Systems or Aerial Photographs and Remote Sensing	3
GSCI 651 or GSCI 380 or GSCI 381 or GSCI 382 or GSCI 383 or GSCI 384 or GSCI 385	Field Studies in Geography or Field Trip: Ellis County or Field Trip: Lake Wilson or Field Trip: Rocks and Fossils of Castle Rock or Field Trip: Grand Canyon or Field Trip: Mesa Verde or Field Trip: Cave Geology	1
Open Electives		3
Open Electives		3
Open Electives		3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
GSCI 630 or MATH 250	Geostatistics and Spatial Data Analysis or Elements of Statistics	3

Concentration Course		3
Concentration Course		3
Open Electives		3
Open Electives		3
Open Electives		1
<b>Hours</b>		<b>16</b>
<b>Fourth Year</b>		
<b>Fall</b>		
GSCI 685	Writing in the Sciences	3
GSCI 695 or GSCI 673	Internship in Geosciences or Problems in Geosciences	3
Concentration Course		3
Concentration Course		3
Open Electives		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Open Electives		3
Open Electives		3
Open Electives		3
Open Electives		3
Open Electives		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>

**Academic Degree Maps** are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are *examples* and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (<https://catalog.fhsu.edu/general-education/>) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.