

GEOSCIENCES | BACHELOR OF SCIENCE IN GEOSCIENCES (GEOLOGY)

Program Summary

Code	Title	Hours
General Education		34
Major Core Courses		12-13
Geology Core		27
Cognates		17
Open Electives ¹		29-30
Total Hours		120

¹ Open electives are the credit hours required to reach a minimum of 120 total hours and 45 upper-level hours. The number listed assumes all courses are completed at FHSU as listed. This number may vary if students transfer courses, or have individual substitutions allowed.

Students should speak with their advisor if either situation applies to determine if the number will vary, and to ensure they enroll in a minimum of 45 upper-level hours.

Students entering within 1 year of high school graduation will take UNIV 101 Freshman Seminar and may apply that hour in the open elective category.

Program Requirements

General Education

All undergraduate degrees require completion of the Kansas Systemwide General Education (<https://catalog.fhsu.edu/general-education/>).

Courses identified with ^{GE} on this page may satisfy a general education requirement in addition to the identified degree requirement. Students who apply a degree requirement to satisfy a general education requirement will typically add an equal number of hours to the the university elective category. This flexibility may allow you to complete a minor or certificate within the 120 hour degree. Transfer students and students majoring in programs with approved exceptions (<https://www.fhsu.edu/general-education/documents/fhsu-gen-ed-transfer-exceptions-explainer1.pdf>) are especially encouraged to select these courses in completing General Education requirements to maximize the likelihood of completing the degree with 120 credit hours.

Code	Title	Hours
General Education		34-35

Code	Title	Hours
Major Core Courses		
GSCI 100	Exploring Earth ^{GE}	3
GSCI 240	Introduction to Geographic Information Systems (GIS)	3
GSCI 685	Writing in the Sciences	3
Select one course from the following:		3-4
BIOL 620 & 620L	Biostatistics and Biostatistics Lab	
GSCI 630	Geostatistics and Spatial Data Analysis	

MATH 250	Elements of Statistics	
Geology Core		27
GSCI 102	Exploring Earth Laboratory ^{GE}	
GSCI 202/202L	Evolution of the Earth	
GSCI 310/310L	Gem and Mineral Resources	
GSCI 320	Rock Origins	
GSCI 450/450L	Dynamic Earth	
GSCI 452	Field Techniques	
GSCI 454	Applied Geology ¹	
GSCI 675	Seminar in Geosciences	
Cognates		
CHEM 120/120L	University Chemistry I ^{GE}	3
CHEM 122/122L	University Chemistry II ^{GE}	3
MATH 331	Calculus Methods ^{GE}	3
PHYS 111/111L	Physics I ^{GE}	4
PHYS 211/211L	Engineering Physics I ^{GE}	4
Total Hours		56-57

¹ Maximum of six credit hours may be counted from GSCI 454

Degree Requirements

Code	Title	Hours
All bachelor degrees require:		
GPA of 2.0 on FHSU courses & 2.0 on all coursework (Higher program requirements prevail over the 2.0 when set)		
A minimum of 30 hours earned from FHSU with a grade of D, C, B, or A		
Successful completion of an upper division Writing and Information Literacy course (Most majors contain a course designated)		
A minimum of 45 hours of recognized upper division credit		
A minimum of 120 hours of recognized college credit		