

# B.S. Geology

## Program Admissions Requirements

There are no program admission requirements for the BS in Geology.

## General Education

The listing below includes program requirements that also fulfill General Education requirements.

Code	Title	Credits
Objective 1		6
Objective 2		3
Objective 3 - MATH 1170		4
Objective 4		6
Objective 5 - CHEM 1111, CHEM 1111L, and PHYS 1111		8
Objective 6		6
<b>Students must fulfill Objective 7 or Objective 8</b>		<b>3</b>
Objective 7 - GEOL 1107		
Objective 8		
Objective 9		3
<b>Total Credits</b>		<b>39</b>

## Major Requirements

Code	Title	Credits
<b>Required Courses:</b>		
MATH 1170	Calculus I	4
MATH 1175	Calculus II	3-4
or MATH 3350	Statistical Methods	
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Lab	5
CHEM 1112 & 1112L	General Chemistry II and General Chemistry II Lab	4
PHYS 1111	General Physics I <sup>1</sup>	3-4
or PHYS 2211	Engineering Physics I	
GEOL 1107	Real Monsters <sup>2</sup>	3
GEOL 2204	Fluid Earth	4
GEOL 2205	Solid Earth	4
GEOL 3310	Geologic Field Methods	3
GEOL 3313	Earth Materials I	4
GEOL 3314	Earth Materials II	4
GEOL 3315	Evolution of the Earth's Surface	4
GEOL 4403 & 4403L	Principles of Geographic Information Systems and Principles of GIS Laboratory	3
GEOL 4421	Structural Geology	4
GEOL 4450	Field Geology <sup>3</sup>	6
GEOL 4452	Sedimentation-Stratigraphy	4
43 required geoscience credits plus 9 upper division geoscience elective courses to equal at least 50 geoscience credits.		
<b>Total Credits</b>		<b>71</b>

<sup>1</sup> May choose the following optional courses: PHYS 1113, PHYS 1114, General Physics Laboratory, 2 cr; PHYS 2213, PHYS 2214, Engineering Physics Laboratory, 2 cr.

<sup>2</sup> Transfer students may substitute other courses for GEOL 1107 with the permission of the Geosciences Department Chair or Geosciences Undergraduate Advisor.

<sup>3</sup> GEOL 4450 is a 5-week summer field course.

## Degree Totals

Code	Title	Credits
	Program Admission Requirements	0
	General Education	39
	Major Requirements (Required General Education credits removed.)	54
	Upper Division Free Electives	6
	Free Electives	21
<b>Total Credits</b>		<b>120</b>

ISU Degree Requirements (<http://coursecat.isu.edu/undergraduate/degree requirements/>)

ISU General Education (<http://coursecat.isu.edu/undergraduate/academicinformation/generaleducation/>)

Major Academic Plan (MAP)