

BA in Geological Sciences

Degree Program Description

The Bachelor of Arts in Geological Sciences is a liberal arts degree for students interested in earth science. The curriculum provides an overview of several sub disciplines within Geology, including paleontology and hydro geology. The degree is designed for students interested in careers in science journalism, environmental law, and urban design and planning. The degree can easily be combined with other BA degrees in the College of Arts and Science.

Major Program Requirements

The B.A. Curriculum is designed as a degree through which the student wishes to eventually pursue a career in teaching, journalism, law, etc. In addition to University (<http://catalog.missouri.edu/academicdegreerequirements/universityrequirements/>), general education (<http://catalog.missouri.edu/academicdegreerequirements/generaleducationrequirements/>), and College of Arts and Science (<http://catalog.missouri.edu/collegeofartsandscience/#undergraduatetext>) requirements, students must also meet the following major program requirements. All major requirements in the College of Arts and Science must be completed with grades of C- or higher unless otherwise indicated.

Geology Core Requirements		24-29
GEOL 1100 or GEOL 1200 or GEOL 1050	Introduction to the Earth with Laboratory Environmental Geology with Laboratory Planet Earth	4
GEOL 2150 or GEOL 2350	The Age of the Dinosaurs Earth and Life Through Time	3
GEOL 2400	Surficial Earth Processes and Products with Laboratory	4
GEOL 3250	Mineralogy	5
Geology course at 2000 level or above (3hr min)		3
Geology course at 3000 level or above (3hr min)		3
Geology course at 4000 level or above (3hr min)		3
Collateral Math/Science Requirements		15-21
MATH 1140 or MATH 1160	Trigonometry Precalculus Mathematics	2-5
INFOTC 1040 or MATH 1400 or STAT 1200	Introduction to Problem Solving and Programming Calculus for Social and Life Sciences I Introductory Statistical Reasoning	3
CHEM 1400 & CHEM 1401	College Chemistry I and College Chemistry I Laboratory	4
ASTRON 1010 or ATM_SC 1050 or PHYSCS 1050 or PHYSCS 1210	Introduction to Astronomy Introductory Meteorology Concepts in Cosmology College Physics I	4
BIO_SC 1010 or BIO_SC 1060 or BIO_SC 1500 or NAT_R 1070	General Principles and Concepts of Biology Basic Environmental Studies Introduction to Biological Systems with Laboratory Ecology and Conservation of Natural Resources	3

Semester Plan

First Year			
Fall	CR	Spring	CR
GEOL 1100, 1200, or 1050		4 GEOL 2350	3
MATH 1100		3 MATH 1160 or 1140	5-2
ENGLSH 1000		3 Second Language	5
Second Language		5 CHEM 1400	3
		CHEM 1401	1
			17-14
15			
Second Year			
Fall	CR	Spring	CR
GEOL 2400		4 Geol 2000+ level course	3
MATH 1400, INFOTC 1040, or STAT 1200		3 Humanities or Fine Arts	3
BIO_SC 1010		3 Social Science	3
Second Language		3 Behavioral Science	3
General Elective		3 American History or Government	3
			15
16			
Third Year			
Fall	CR	Spring	CR
GEOL 3250		5 GEOL 3800	4
Humanities or Fine Arts		3 General Elective	3
Behavioral Sciences		3 Humanities or Fine Arts	3
Social Sciences		3 2000 Level Behavioral Sciences	3
		General Elective	3
			16
14			
Fourth Year			
Fall	CR	Spring	CR
Geol 4000-level course		General Elective	3
General Elective		3 General Elective	3
2000 Level Humanities or Fine Arts		3 General Elective	3
2000 Level Social Sciences		3 General Elective	3
General Elective		6 General Elective	3
			15
15			

Total Credits: 123-120