

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 (<https://catalog.missouri.edu/academicdegree/requirements/universityrequirements/>), general education (<https://catalog.missouri.edu/academicdegree/requirements/general/educationrequirements/>), and College of Arts and Science (<https://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	Introduction to the Earth with Laboratory	4
or GEOL 1200	Environmental Geology with Laboratory	
or GEOL 1050	Planet Earth	
GEOL 2150	The Age of the Dinosaurs	3
or GEOL 2350	Earth and Life Through Time	
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	Trigonometry	2-5
or MATH 1160	Precalculus Mathematics	
INFOTC 1040	Introduction to Problem Solving and Programming	3
or MATH 1400	Calculus for Social and Life Sciences I	
or STAT 1200	Introductory Statistical Reasoning	
CHEM 1400 & CHEM 1401	College Chemistry I and College Chemistry I Laboratory	4
ASTRON 1010	Introduction to Astronomy	4
or ATM_SC 1050	Introductory Meteorology	
or PHYSCS 1050	Concepts in Cosmology	
or PHYSCS 1210	College Physics I	
BIO_SC 1010	General Principles and Concepts of Biology	3
or BIO_SC 1060	Basic Environmental Studies	
or BIO_SC 1500	Introduction to Biological Systems with Laboratory	
or NAT_R 1070	Ecology and Conservation of Natural Resources	

Semester Plan

First Year			
Fall	CR	Spring	CR
GEOL 1100, 1200, or 1050		4 GEOL 2350	3
MATH 1100 (Math and Quantitative Reasoning)		3 Math 1140	2
ENGLSH 1000		3 CHEM 1400	3
Second Language Requirement		4 CHEM 1401 (Biological or Physical Science Lab)	1
		Second Language Requirement	4
		Second major, minor, certificate, or elective	3
		14	16
Second Year			
Fall	CR	Spring	CR
GEOL 2400		4 Geol; 2000+ Level	3
MATH 1400		3 Missouri State Law Requirement: Social Science from Arts & Science	3
BIO_SC 1010		3 Humanities from Arts & Science	3
Second Language Requirement		4 Second major, minor, certificate, or elective	3
Second major, minor, certificate, or elective		3 Second major, minor, certificate, or elective	3
		17	15
Third Year			
Fall	CR	Spring	CR
GEOL 3250		5 GEOL; 3000+ Level	3
Behavioral Science from Arts and Science		3 Social Science; First Writing Intensive	3
Second major, minor, certificate, or elective		3 Humanities	3
Second major, minor, certificate, or elective; 3000+ Level		3 Second major, minor, certificate, or elective	3
		Second major, minor, certificate, or elective; 3000+ Level	3
		14	15
Fourth Year			
Fall	CR	Spring	CR
Geol; 4000+ Level		3 ASTRON 1010	4
Behavioral Science; 3000+ Level		3 Social Science; 3000+ Level	3
Humanities; 3000+ Level, Second Writing Intensive		3 Humanities; 3000+ Level	3
Second major, minor, certificate, or elective		3 Second major, minor, certificate, or elective	3
Second major, minor, certificate, or elective		3 Second major, minor, certificate, or elective	1
		15	14

Total Credits: 120