

Geology - 4 Year Degree Plan

2025-2026

Lamar University's **Bachelor of Science in Geology** program will teach you about the solid Earth, in particular the rocks and their minerals and fossils. You'll study and interpret the geological record to search for natural resources like gold, coal, oil, groundwater and rock material used for construction work. This major integrates a range of disciplines from field-based studies to more theoretical aspects of rocks, minerals and their behavior during Earth processes. This program is on-campus and its coursework includes geology, optical mineralogy, geophysics, etc.

NOTE: Degree plans may change over a four-year period. This may not be the most current list of course requirements for your program. It is always advised that you check Degree Audit in Banner Self-Serv or your advisor for the most up-to-date degree requirements and to track your progress toward a degree.

FIRST YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	GEOL 1403	Geology I: Physical Geology	4	_____	GEOL 1404	Geology II: Historical Geology	4	_____
	ENGL 1301	Composition I	3	_____	CHEM 1311	General Chemistry I	3	_____
	MATH 2413	Calculus and Analytical Geometry I	4	_____	CHEM 1111	General Chemistry I Laboratory	1	_____
	HIST 1301	U.S. History I 1763-1877	3	_____	ENGL 1302	Composition II	3	_____
					MATH 2414	Calculus and Analytical Geometry II	4	_____
		Hours	14	_____	Hours		15	_____

SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	GEOL 2471	Mineralogy Petrology	4	_____	GEOL 2373	Optical Mineralogy	3	_____
	GEOL 2377	Physical Geography and Geomorphology	3	_____	HIST 1302	U.S. History II Since 1877	3	_____
	GEOL 4101	Special Topic Earth Science (Geomorphology Lab)	1	_____	PHYS 1401 or PHYS 2425	College Physics I or University Physics I	4	_____
	CHEM 1312	General Chemistry II	3	_____	MATH 1342 or PSYC 2317	Elementary Statistical Methods or Introduction to Statistical Methods	3	_____
	CHEM 1112	General Chemistry II Laboratory	1	_____				_____
	Language, Philosophy and Culture		3	_____	Hours		13	_____
		Hours	15	_____	Hours			

THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	GEOL 3450	Petrology	4	_____	GEOL 3420	Structural Geology	4	_____
	PHYS 1402 or PHYS 2426	College Physics II or University Physics II	4	_____	GEOL 4410	Stratigraphy and Sedimentology	4	_____
	POLS 2301	Intro to American Government I	3	_____	POLS 2302	Intro/American Government II	3	_____
	Creative Arts		3	_____	GEOL 4330	Geophysics	3	_____
					GEOL 4101	Special Topic Earth Science (Geophysics Lab)	1	_____
	Hours		14	_____	Hours		15	_____
Summer		Hours	_____	Grade	Hours		_____	Grade
GEOL 3600	Summer Field Camp	6	_____		Hours		_____	Grade
	Hours	6	_____		Hours		_____	Grade

FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	GEOL 4420	Palaeontology	4	_____	GEOL 4301	Special Topic Earth Science (Geoscience Seminar)	3	_____
	Elective	3000-4000 course	4	_____	Social and Behavioral Sciences		3	_____
	Communication		3	_____	Elective	3000-4000 course	4	_____
	Elective	3000-4000 course	3	_____	Elective	3000-4000 course	4	_____
					Hours		14	_____

