

For Students Graduating in Calendar Year 2021

The Department of Geosciences offers a minor for students who wish to develop a working knowledge of earth systems to complement their primary majors. In order to minor in Geosciences, a student must complete the courses below with a minimum in-minor GPA of 2.0.

GEOS Foundation (6 to 8 credits)

GEOS 1004 Earth Science + GEOS 1104 Lab (or GEOS 2104 Elements of Geology)		(3)_____	(1)_____
	AND	or (3)_____	
GEOS 1014 Evolution of the Earth-Life System		(3)_____	
OR			
GEOS 2024 Earth's Dynamic Systems		(8)_____	

GEOS electives (12 credits)

GEOS 3000 or 4000 Electives (4 credit courses may also be used to meet requirements)	(3)_____	(3)_____
	(3)_____	(3)_____

List of 3000/4000 electives (3 credits unless noted otherwise; check timetable for additional courses):

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|---|--|
| GEOS 3014 Environmental Geosciences | GEOS 4154 Earthquake Seismology |
| GEOS 3034 Oceanography | GEOS 4164 Potential Field Methods in Exploration
Geophysics (4) |
| GEOS 3104 Elementary Geophysics | GEOS 4174 Exploration Seismology (4) |
| GEOS 3204 Sedimentology-Stratigraphy | GEOS 4234 Vertebrate Evolution (4) |
| GEOS 3304 Geomorphology | GEOS 4354 Intro to Remote Sensing |
| GEOS 3404 Elements of Structural Geology | GEOS 4404 Advanced Structural Geology |
| GEOS 3504 Mineralogy | GEOS 4624 Mineral Deposits |
| GEOS 3604 Paleontology | GEOS 4634 Environmental Geochemistry |
| GEOS 3614 Soils | GEOS 4714 Volcanoes and Volcanic Processes |
| GEOS 3704 Igneous and Metamorphic Rocks | GEOS 4804 Groundwater Hydrology |
| GEOS 3954 Study Abroad (variable credits) | GEOS 4924 Tectonics (4) |
| GEOS 4084 Modeling with GIS | |
| GEOS 4124 Seismic Stratigraphy | |

Please note: when reviewing prerequisites for upper level courses, be aware that many GEOS courses require foundational coursework in math and science such as MATH 1226, CHEM 1036, and PHYS 2306. If you are concerned about prerequisite requirements, please contact geosciences@vt.edu with any questions.

Total

18-20 credits

