

College of Science
Department of Geosciences
Geosciences Minor
For Students Graduating in Calendar Year 2022
and for student date of entry under UG Catalog 2020-2021

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.

Section 1. 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)_____	

Section 2. 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):

GEOS 3014 Environmental Geosciences	#GEOS 4154 Earthquake Seismology
GEOS 3024 Computational Methods in Geos	#GEOS 4164 Potential Field Methods in Exploration Geophysics (4)
GEOS 3034 Oceanography	
GEOS 3044 Geosciences Outreach (2)	#GEOS 4174 Exploration Seismology (4)
#GEOS 3104 Elementary Geophysics	GEOS 4234 Vertebrate Evolution (4)
GEOS 3204 Sedimentology-Stratigraphy	GEOS 4244 Morphology of Vertebrates (4)
GEOS 3304 Geomorphology	#GEOS 4254 Integrative Earth Systems
GEOS 3404 Elements of Structural Geology	#GEOS 4264 Sedimentary Basins
#GEOS 3504 Mineralogy	GEOS 4354 Intro to Remote Sensing
GEOS 3604 Paleontology	#GEOS 4404 Advanced Structural Geology
#GEOS 3614 Soils	GEOS 4624 Mineral Deposits
GEOS 3624 Natural History Collections	#GEOS 4634 Environmental Geochemistry
#GEOS 3644 Paleontological Lab Techniques	GEOS 4714 Volcanoes and Volcanic Processes
GEOS 3704 Igneous and Metamorphic Rocks	#GEOS 4804 Groundwater Hydrology
GEOS 3954 Study Abroad (variable credits)	#GEOS 4824 Engineering Geology
#GEOS 4084 Modeling with GIS	#GEOS 4924 Tectonics (4)
#GEOS 4124 Seismic Stratigraphy	

Note:

denotes that there is/are prerequisite(s) in addition to the foundational courses listed in Section 1. If you are concerned about prerequisite requirements, please contact geosciences@vt.edu with any questions.

Total

18-20 credits

