

Geological Sciences Curriculum content Goals Presented as Content Threads through the Core Curriculum

All Year 1 students will take introductory courses, basic GE and basic core science skills courses, starting their mathematics, physics and chemistry sequences. They also enter the major from a variety of other programs. Because of the variability in the earliest years, we have focused on the sophomore through senior years in this analysis.

Curricular Sequence Theme	Year 2		Year 3			Year 4		
	Fall	Spring	Fall	Spring	Summer	Fall	Spring	Summer
Earth History and Systems, Sedimentary Rocks and Life on Earth	Geol 105 Historical Geology	Geol 536 Sedimentology and Stratigraphy	Elective/GE	Geol 537 Geobiology Paleontology	Summer – Geol 508	New 500-level Earth Systems	Geol 498 Senior Thesis/ Elective	Advanced Geol 508
Field Methods and Geologic Investigation, Earth Structure and Dynamics	Geol 200 Geologic Inquiry	Geol 300 Quantitative Analysis	Geol 306 Structural Geology	Geol 307 Geophysics	Advanced Field Geology	New 500-level Geotectonics	Geol 498 Senior Thesis/ Elective	Advanced Field Geology
Earth Materials and Composition, Igneous and Metamorphic Rocks	Geol 221 Mineralogy	Geol 324 Petrology	Geol 530 Geochemistry	Elective/GE	Option 1	Elective/GE	Geol 498 Senior Thesis/ Elective	Option 2