

Geology Department Curriculum

Requirements	Traditional Geology Track		Environmental Geology Track	
	Course #	Course name	Course #	Course name
Intro Courses for non majors (none required) <small>(one may count as an elective--see below)</small>	GEO-103	Great Moments in the History of Life	GEO-103	Great Moments in the History of Life
	GEO-106	Introduction to Oceanography	GEO-106	Introduction to Oceanography
	GEO-108	Earth Resources	GEO-108	Earth Resources
	GEO-109	Geologic Perspectives on Global Warming	GEO-109	Geologic Perspectives on Global Warming
Intro Geology w/full lab Take one (1)	GEO-110	Introduction to Geology	GEO-110	Introduction to Geology
	GEO-112	Environmental Geology	GEO-112	Environmental Geology
	GEO-117	Natural Disasters	GEO-117	Natural Disasters
Intro Geology--Deep Time Take one (1)	GEO-120	Earth and Life through Time	GEO-120	Earth and Life through Time
CORE: All required (7)	GEO-201	Sedimentology/Stratigraphy of eastern NY	GEO-201	Sedimentology/Stratigraphy of eastern NY
	GEO-202	Geomorphology	GEO-202	Geomorphology
	GEO-220	Mineral Science	GEO-220	Mineral Science
	GEO-307	Structural Geology	GEO-307	Structural Geology
	GEO-320	Origin of Igneous and Metamorphic Rocks	GEO-320	Origin of Igneous and Metamorphic Rocks
	GEO-405	Senior Seminar	GEO-405	Senior Seminar
	GEO-495 or 498	Thesis Research or Research and Writing	GEO-495 or 498	Thesis Research or Research and Writing
Track: Take two (2)	GEO-205	Active Tectonics	GEO-203	Lakes and Environmental Change
	GEO-206	Volcanology	GEO-207	Stable Isotope Geochemistry
	GEO-208	Paleontology, Paleobiology, and Paleocology	GEO-209	Paleoclimatology
	GEO-302	Geochemical Systems	GEO-300	Glacial and Quaternary Geology
	GEO-303	Geophysics	GEO-302	Geochemical Systems
	GEO-304	Carbonate Sedimentology	GEO-305	Biogeochemistry
Electives: 2 courses required from this list--no more than one course at 100 level; 100-level courses count only if taken before declaring Geology major				
Electives: Take two (2)	GEO-103	Great Moments in the History of Life	GEO-103	Great Moments in the History of Life
	GEO-106	Introduction to Oceanography	GEO-106	Introduction to Oceanography
	GEO-108	Earth Resources	GEO-108	Earth Resources
	GEO-109	Geologic Perspectives on Global Warming	GEO-109	Geologic Perspectives on Global Warming
	GEO-203	Lakes and Environmental Change	GEO-203	Lakes and Environmental Change
	GEO-205	Active Tectonics	GEO-205	Active Tectonics
	GEO-206	Volcanology	GEO-206	Volcanology
	GEO-207	Stable Isotope Geochemistry	GEO-207	Stable Isotope Geochemistry
	GEO-208	Paleontology, Paleobiology, and Paleocology	GEO-208	Paleontology, Paleobiology, and Paleocology
	GEO-209	Paleoclimatology	GEO-209	Paleoclimatology
	GEO-300	Glacial and Quaternary Geology	GEO-300	Glacial and Quaternary Geology
	GEO-302	Geochemical Systems	GEO-302	Geochemical Systems
	GEO-303	Introduction to Geophysics	GEO-303	Introduction to Geophysics
	GEO-304	Carbonate Sedimentology	GEO-304	Carbonate Sedimentology
	GEO-305	Biogeochemistry	GEO-305	Biogeochemistry
	GEO 350T	Geology Australia/NZ	GEO 350T	Geology Australia/NZ
	GEO-352	Field Geology	GEO-352	Field Geology
	GEO-355T, etc.	GEO Mini-terms (Alaska/Peru)	GEO-355T, etc.	GEO Mini-terms (Alaska/Peru)
	GEO-356T	Volcanoes and Society	GEO-356T	Volcanoes and Society
	GEO-490-494	Independent study	GEO-490-494	Independent study
	GEO-495-497	Thesis Research	GEO-495-497	Thesis Research
	ENS-100	Introduction to Environmental Studies	ENS-100	Introduction to Environmental Studies
	ENS-204	Geographic Information Systems	ENS-204	Geographic Information Systems
BIO-320/350T	Ecology/Terrestrial Ecology	BIO-320/350T	Ecology/Terrestrial Ecology	
BIO-328/352T	Aquatic Biology/Marine Ecology	BIO-328/352T	Aquatic Biology/Marine Ecology	
CHM-231	Organic Chemistry I	CHM-231	Organic Chemistry I	
CHM-240	Analytical Chemistry	CHM-240	Analytical Chemistry	
Cognates (take 6; no double counting from above)				
Chemistry (2 courses; CHM-101 required)	CHM-101 (<i>REQUIRED</i>), AND any CHM course numbered 102 or higher			
Biology or Physics (any 2 courses)	any two courses numbered 100 or higher (including GEO 208)			
Math (2 courses)	any two Math courses numbered 100 or higher			

total course=19

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