

MAJOR IN GEOLOGY

Students must earn a grade of C- or better in all courses required for the Geology major.

General Track

(59-60 credits)

Code	Title	Credits
Geology Core (24 Credits)		
GLG201	Physical Geology	3
GLG211	Physical Geology Laboratory	1
GLG202	Historical Geology	4
GLG311	Mineralogy and Crystallography	4
GLG314	Petrology	4
GLG331	Stratigraphy-Sedimentation	4
GLG405	Structure and Tectonics	4
Geological Science Courses (12 Credits)		
GLG303	Geomorphology	4
or GLG305	Paleontology	
GLG407	Hydrogeology	4
GLG435	Field Geology	4
Cognate Courses (23-24 Credits)		
CHE201	General Chemistry I	4
& CHE211	and General Chemistry I Lab	
CHE202	General Chemistry II	4
& CHE212	and General Chemistry II Lab	
MAT251	Calculus I	4
PHY201	General Physics 1	4
& PHY211	and Physics 1 Laboratory	
MAT241	Introduction to Statistics (by advisement)	3-4
or MAT252	Calculus II	
Select one of the following by advisement:		4
PHY202	General Physics 2	
& PHY212	and General Physics 2 Lab	
PHY222	Fundamental Physics II	
& PHY232	and Fundamental Physics 2 Lab	
Total Credits		59-60

Recommended courses¹:

Code	Title	Credits
BIO201	General Biology I	4
& BIO211	and Gen Bio 1 Lab	
BIO202	General Biology II	4
& BIO212	and Gen Bio 2 Lab	
CPS210	Computer Science I: Foundations	4
GEO341	Introduction to Geographic Information Systems	4

¹ It is recommended that students who plan to do graduate or professional work in geology take a six-week field geology camp in the summer following their final semester at New Paltz.

Environmental Geoscience Track

(58-59 credits)

Code	Title	Credits
Geology Core (24 Credits)		
GLG201	Physical Geology	3
GLG211	Physical Geology Laboratory	1
GLG202	Historical Geology	4
GLG311	Mineralogy and Crystallography	4
GLG314	Petrology	4
GLG331	Stratigraphy-Sedimentation	4
GLG405	Structure and Tectonics	4
Geological Science Courses (11 Credits)		
GLG339	Natural Resources and Energy	3
or GLG346	Environmental Impact Assessment	
GLG303	Geomorphology	4
GLG407	Hydrogeology	4
Cognate Courses (23-24 Credits)		
CHE201	General Chemistry I	4
& CHE211	and General Chemistry I Lab	
CHE202	General Chemistry II	4
& CHE212	and General Chemistry II Lab	
MAT251	Calculus I	4
PHY201	General Physics 1	4
& PHY211	and Physics 1 Laboratory	
MAT241	Introduction to Statistics (by advisement)	3-4
or MAT252	Calculus II	
Select one of the following by advisement:		4
PHY202	General Physics 2	
& PHY212	and General Physics 2 Lab	
PHY222	Fundamental Physics II	
& PHY232	and Fundamental Physics 2 Lab	
Total Credits		58-59

Recommended courses:

Code	Title	Credits
BIO201	General Biology I	4
& BIO211	and Gen Bio 1 Lab	
BIO202	General Biology II	4
& BIO212	and Gen Bio 2 Lab	
CPS210	Computer Science I: Foundations	4
GEO441	Geographic Information Systems Applications	4