

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 & CHE211	General Chemistry I and General Chemistry I Lab	4
CHE202 & CHE212	General Chemistry II and General Chemistry II Lab	4
MAT251	Calculus I	4
PHY201 & PHY211	General Physics 1 and Physics 1 Laboratory	4
MAT241 or MAT252	Introduction to Statistics (by advisement) or Calculus II	3-4
Select one of the following by advisement:		4
PHY202 & PHY212	General Physics 2 and General Physics 2 Lab	
PHY222 & PHY232	Fundamental Physics II and Fundamental Physics 2 Lab	
Total Credits		59-60

Recommended courses¹:

Code	Title	Credits
BIO201 & BIO211	General Biology I and Gen Bio 1 Lab	4
BIO202 & BIO212	General Biology II and Gen Bio 2 Lab	4
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 or GLG346	Natural Resources and Energy or Environmental Impact Assessment	3
GLG303	Geomorphology	4
GLG407	Hydrogeology	4
Cognate Courses (23-24 Credits)		
CHE201 & CHE211	General Chemistry I and General Chemistry I Lab	4
CHE202 & CHE212	General Chemistry II and General Chemistry II Lab	4
MAT251	Calculus I	4
PHY201 & PHY211	General Physics 1 and Physics 1 Laboratory	4
MAT241 or MAT252	Introduction to Statistics (by advisement) or Calculus II	3-4
Select one of the following by advisement:		4
PHY202 & PHY212	General Physics 2 and General Physics 2 Lab	
PHY222 & PHY232	Fundamental Physics II and Fundamental Physics 2 Lab	
Total Credits		58-59

Recommended courses:

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