MAJOR IN ENVIRONMENTAL GEOCHEMICAL SCIENCE

Note: Students must earn a grade of C- or better in all courses required for the EGS major. See the department's *Advising Guidelines* for additional information.

Code	Title	Credits
Geology (15 Credits)		
GLG201		3
GLG211		1
GLG303		4
GLG339		3
GLG407		4
Chemistry (20 Credits)		
CHE201		3
CHE211		1
CHE202		3
CHE212		1
CHE318		3
CHE306		1
CHE303		4
CHE407		4
Environmental Geochemical Science (15 Credits)		
EGS370		4
EGS475		3
EGS477		1
GLG311		4
or BIO340		
GLG346		3
or GEO406		
Cognate Courses (15 Credits)		
GEO383		4
MAT251		4
PHY201		3
PHY211		1
MAT241	[1]	3
or MAT252		
Electives (6-8 Credits)		
Select a minimum of two electives from the following:		6-8
BIO293		
BIO301		
BIO302		
BIO303		
CHE319 & CHE309	and	
CHE321		
CHE461 & CHE463	and	
CHE593		
EGG250		
EGS476		
GEO382		
GLG331		
GLG405		
GLG509		
Total Credits		71-73

[1] Select course with advisement.

The Department of Geological Sciences also offers a minor in Environmental Geochemical Science (http://www.newpaltz.edu/ugc/science/enviro). It provides students with the opportunity to broaden their knowledge in areas of natural science and social science germane to environmental issues.

This **eight-semester plan** (see important details (http://catalog.newpaltz.edu/undergraduate/additional-information-about-8-semester-plans)) is intended to guide a first-year student through a four-year undergraduate career, with completion of an academic major and all college-wide degree requirements. The plan is designed as an **advising tool** – a starting point for careful discussions between a student and his/her academic adviser. In consultation, the student and adviser will adjust the plan to accommodate the student's prerequisite needs, transferred credits, and other such variables.

Students are responsible for reviewing their Progress Reports (https://www3.newpaltz.edu/progressreports) each semester to track their own progress toward degree requirements.

Course	Title	Credits
Year 1		
Fall		
CHE201		3
CHE211		1
GLG201		3
GLG211		1
Gen Ed: Composition (COMP)		3
Gen Ed: Humanities (HUM)		3
	Credits	14
Spring		
GEO383		4
CHE202		3
CHE212		1
MAT251		4
Gen Ed: Composition (COMP)		3
	Credits	15
Year 2		
Fall		
GLG311 or BIO340	or	4
CHE318		3
CHE306		1
PHY201		3
PHY211		1
Gen Ed: Diversity (DIVR)		3
	Credits	15
Spring		
GLG303		4

GLG339		3
MAT241 [1]		3-4
or MAT252	or	
PHY202		3
PHY212		1
	Credits	14-15
Year 3		
Fall		
EGS370		4
CHE303		4
GLG346 [2]		3
or GEO406	or	
BIO340		4
Gen Ed: Foreign Languages (FLNG)		3
	Credits	18
Spring		
CHE407		4
GLG407		4
Major Elective [3]		3-4
Gen Ed: United States Studies (USST)		3
Gen Ed: Foreign Languages (FLNG)		3
	Credits	17-18
Year 4		
Fall		
EGS475		3
Major Elective [3]		3-4
Gen Ed: World Civilizations and Cultures (WRLD)		3
Gen Ed: Social Sciences (SSCI)		3
Gen Ed: Writing Intensive (WI)		3
	Credits	15-16
Spring		
EGS477		1
Gen Ed: Western Civilization (WEST)		3
Gen Ed: The Arts (ART)		3
Elective		3
Elective		3
	Credits	13
	Total Credits	121-124

1. MAT252 Calculus 2 is strongly recommended for students who would like to go to Graduate School.
2. Please choose one of the following courses (GEO406 is Writing Intensive): GEO406 Natural Resources: Utilization and Management, GLG346 Environmental Impact Assessment.
3. Choose a minimum of two (2) electives chosen from the following: BIO293 Biology Selected Topic, BIO301 Field Biology Fall, BIO302 Field Biology Spring, BIO303 Field Biology Summer, CHE309 Organic Chemistry II Lab, CHE319 Organic Chemistry II, CHE321 Physical Chemistry I, CHE461 Biochemistry I, CHE593 Chemistry Selected Topic, EGG250 Renewable Energy (NSCI), EGS476 Environmental Geochemical Science Research Project 2, GEO382 Remote Sensing, GLG331 Stratigraphy-Sedimentation, GLG405 Structure and Tectonics, GLG509 Water Resources Management.