

State University of New York at New Paltz

This **eight-semester plan** (see [important details](#)) 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](#) each semester to track their own progress toward degree requirements.

Environmental Geochem Science

Year 1

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
CHE201 General Chemistry I (NSCI)	3		
CHE211 General Chemistry I Lab	1	GEO383 Introduction to Geographic Information Systems	4
GLG201 Physical Geology (NSCI)	3	CHE202 General Chemistry II (NSCI)	3
GLG211 Physical Geology Laboratory	1	CHE212 General Chemistry II Lab	1
Gen Ed: Composition (COMP)	3	MAT251 Calculus I (MATH)	4
Gen Ed: Humanities (HUM)	3	Gen Ed: Composition (COMP)	3
Total	14	Total	15

Year 2

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
GLG311 Mineralogy or BIO340 Ecology	4	GLG303 Geomorphology	4
CHE318 Organic Chemistry I	3	GLG339 Natural Resources and Energy	3
CHE306 Organic Chemistry I Lab	1	MAT241 Intro to Stats or MAT252 Calculus 2 - Note 1	3-4
PHY201 General Physics 1 (NSCI)	3	PHY202 General Physics 2 (NSCI)	3
PHY211 Physics 1 Laboratory	1	PHY212 General Physics 2 Lab	1
Gen Ed: Diversity (DIVR)	3	Total	14-15
Total	15		

Year 3

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
EGS370 Environmental Geochemical Science	4	CHE407 Instrumental Techniques	4
CHE303 Introduction to Analytical Chemistry	4	GLG407 Hydrogeology	4
GLG346 (WI) or GEO406 - Note 2	3	Major Elective - Note 3	3-4
BIO340 Ecology	4	Gen Ed: United States Studies (USST)	3
Gen Ed: Foreign Languages (FLNG)	3	Gen Ed: Foreign Languages (FLNG)	3
Total	18	Total	17-18

Year 4

Fall Semester		Spring Semester	
Course	Credits	Course	Credits
EGS475 Environmental Geochemical Sciences Research Project 1	3	EGS477 Senior Seminar in Environmental Science	1
Major Elective - Note 3	3-4	Gen Ed: Western Civilization (WEST)	3
Gen Ed: World Civilizations and Cultures (WRLD)	3	Gen Ed: The Arts (ART)	3
Gen Ed: Social Sciences (SSCI)	3	Elective	3
Gen Ed: Writing Intensive (WI)	3	Elective	3
Total	15-16	Total	13

Notes

[MAT252](#) Calculus 2 is strongly recommended for students who would like to go to Graduate School.

Please choose one of the following courses ([GEO406](#) is Writing Intensive): [GEO406 Natural Resources: Utilization and Management](#), [GLG346 Environmental Impact Assessment](#)

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 Energy and the Environment \(NSCI\)](#), [EGS476 Environmental Geochemical Science Research Project 2](#), [GEO382 Remote Sensing](#), [GLG331 Stratigraphy-Sedimentation](#), [GLG405 Structure and Tectonics](#), [GLG509 Water Resources Management](#)

Total Credits: 121-124