

MILLERSVILLE UNIVERSITY

Student Name: _____ Student I.D.# _____

DEGREE: BS	MAJOR REQUIREMENTS FOR A BS DEGREE IN
MAJOR: GEOL	GEOLOGY / ENVIRONMENTAL GEOLOGY
OPTION: ENV GEOL	Total credit hours required: 120.0 minimum

REQUIREMENTS AND POLICIES FOR THE BS GEOLOGY MAJOR

A. Policies for Admission to the Major

1. New students (freshmen and transfers) must be admitted to the Geology major by the Office of Admissions upon admission to the University.
2. Admission into the Geology major from other departments is upon approval of the chair person of the Earth Sciences Department.
3. Non-degree and continuing education students must be admitted to the Geology major by the Office of Admissions.

B. Policies for Retention in the Major

In order to remain a major in good academic standing in the Department of Earth Sciences, a student must earn a grade of at least a C- in the following courses: MATH 161, CHEM 111, PHYS 131 or 231, ESCI 221, and ESCI 222.

C. Policies for Completion of the Major

Completion of all Departmental and University curricular requirements.
No more than one "P" or "D" course can be counted toward major requirements.
Per University policy, cumulative GPA in major courses must be 2.0 or higher.

Note to the student: *This form is provided as a guide. It is your responsibility to consult regularly with your advisor to be aware of changes and curriculum details which are not incorporated on this form.*

MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS GEOLOGY**

Option: **ENVIRONMENTAL GEOLOGY**

Major Field Requirements: **41.0-44.0 credits**

Other Requirements: **23.0-26.0.0 credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

Course No.	Short Title	C.H.	Grade	Course No.	Short Title	C.H.	Grade
REQUIRED EARTH SCIENCES COURSES (32.0-35.0 credits)				REQUIRED RELATED (23.0-26.0.0 credits)			
ESCI 221	Physical Geology	4.0	_____	Mathematics and Computer Science (7.0-8.0 credits)			
ESCI 222	Historical Geology	4.0	_____	MATH 161	Calculus I	4.0	_____
ESCI 321	Structural Geology	3.0	_____	---AND---			
ESCI 326	Sedimentation & Stratigraphy	4.0	_____	Choose one course from the following:			
ESCI 327	Mineralogy	4.0	_____	MATH 211	Calculus II	4.0	_____
ESCI 328	Petrog./Ign.-Met. Petrology (W)	4.0	_____	MATH 235	Survey of Statistics	3.0	_____
ESCI 421	Advanced Geology (W)	2.0	_____	CSCI 161	Intro. to Programming I	4.0	_____
ESCI 422	Geological Field Mapping	3.0-6.0	_____	ESCI 282	FORTTRAN for Erth Sci Apps	3.0	_____
ESCI 423	Applied Geophysics	3.0	_____	ESCI 446	Statistical Meteorology	3.0	_____
ESCI 424	Geology Assessment Exam	1.0	_____	NOTE: some graduate programs may require MATH 211 and/or MATH 235.			
GEOLOGY ELECTIVES (9.0 credits)				Physics (8.0-10.0 credits)			
Choose two courses from the following:				PHYS 131	Physics I with Algebra	4.0	_____
ESCI 322	Environmental Hydrology	3.0	_____	PHYS 132	Physics II with Algebra	4.0	_____
ESCI 329	Aqueous Geochemistry (W)	3.0	_____	---OR---			
ESCI 382	Water Wars (P)	3.0	_____	PHYS 231	Physics I with Calculus	5.0	_____
ESCI 426	Groundwater Geology	3.0	_____	PHYS 232	Physics II with Calculus	5.0	_____
Choose one course from the following:				NOTE: some graduate programs may require PHYS 231/232.			
ESCI 225	Geomorphology	3.0	_____	Chemistry (8.0 credits)			
ESCI 226	Geology of Earth Resources	3.0	_____	CHEM 111	Introductory Chemistry I	4.0	_____
				CHEM 112	Introductory Chemistry II	4.0	_____