

**Bloomsburg University - Department of Geography and Geosciences
Bachelor of Science in Geosciences - Geology**

Courses	Cr.	Taken:	Courses	Cr.	Taken:
Geoscience Geology Option Core Courses	46	_____	General Education - Total Credits:	38	
51.120 Physical Geology & 51.121 Physical Geology Lab	4	_____	Communication³ - 9 Credits		
51.130 Historical Geology & 51.131 Historical Geology Lab	4	_____	1) 20.101 Composition 1	3	_____
51.261 Mineralogy	4	_____	2) 2nd level Writing Course:	3	_____
51.262 Petrology	4	_____	3) _____	3	_____
51.265 Geomorphology	4	_____	Quantitative - 0 Additional Credits		
51.360 Intro to Paleontology	4	_____	Satisfied by Major Mathematics Requirement		
51.369 Structural Geology	4	_____	Values - 3 Credits		
51.451 Field Techniques in Earth Science (4 to 6 credits) ¹	4	_____	1) _____	3	_____
51.460 Aqueous Geochemistry or 51.480 Applied Geophysics ²	4	_____	Fitness - 2 Credits		
51.468 Stratigraphy & Sedimentation	4	_____	1) _____	1	_____
51.470 Groundwater Hydrology	3	_____	2) _____	1	_____
51.493 Senior Research in Geosciences	3	_____	Group A (Humanities)³ - 12 Credits		
			1) _____	3	_____
Required Chemistry Sequence	8		2) _____	3	_____
52.115 Chemistry for Sciences I		_____	3) _____	3	_____
52.116 Chemistry for Sciences II		_____	4) _____	3	_____
Select one Mathematics Sequence:	6		Group B (Social Sciences)³ - 12 Credits		
53.123 Essentials Calculus & 53.141 Intro to Statistics		_____	1) _____	3	_____
or 53.125 Calculus I & 53.126 Calculus II		_____	2) _____	3	_____
Select one Physics Sequence:	8		3) _____	3	_____
54.111 Introductory Physics I & 54.112 Introductory Physics II		_____	4) _____	3	_____
or 54.211 General Physics I & 54.212 General Physics II		_____	Group C (Nat. Sci. & Math) - 0 Additional Credits		
			Satisfied by Major requirements: 51.120, 52.115, 52.116, 54.111 or 54.211		
			Free Electives⁴	13	
			1) _____	4	_____
			2) _____	3	_____
			3) _____	3	_____
			4) _____	3	_____
			5) _____		_____
			Optional 09.100 University Seminar⁵	1	_____
			TOTAL CREDITS FOR PROGRAM	120	
			Two Approved Diversity Courses⁶		
			1) _____		_____
			2) _____		_____

Note 1: 51.451 or equivalent field geology course may be taken for 4 to 6 credits.
If a 6 credit course is taken, then reduce free electives.

Note 2: 51.480 may be taken as 2nd physics course; then 51.480 may not count as elective.

Note 3: One Communications or Values course may also count as Group A or B.

Note 4: Free Elective credits may vary based on major elective choices.

Note 5: If 09.100 not taken, then take additional Free Elective Credit.

Note 6: Two Major, General Ed. or Elective Courses selected must also qualify as Diversity Courses; see approved list in catalog and consult advisor.