

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

Courses	Cr.	Taken:	Courses	Cr.	Taken:
Courses Required for Earth Science Major	29	_____	General Education - Total Credits:	38	
51.120 Physical Geology & 51.121 Physical Geology Lab	4	_____	Communication² - 9 Credits		
51.130 Historical Geology & Historical Geology Lab	4	_____	1) 20.101 Composition 1	3	_____
51.255 Meteorology	3	_____	2) 2nd level Writing Course:	3	_____
51.259 Oceanography	3	_____	3) _____	3	_____
51.260 Earth Materials	4	_____	Quantitative - 0 Additional Credits		
52.115 Chemistry for Sciences I	4	_____	Satisfied by Major Mathematics Requirement		
52.116 Chemistry for Sciences II	4	_____	Values - 3 Credits		
54.110 Introduction to Astronomy	3	_____	1) _____	3	_____
		_____	Fitness - 2 Credits		
Select one Sequence:	8	_____	1) _____	1	_____
54.111 Introductory Physics I & 54.112 Introductory Physics II		_____	2) _____	1	_____
54.211 General Physics I & 54.212 General Physics II		_____	Group A (Humanities)² - 12 Credits		
		_____	1) _____	3	_____
Select 4 Courses (12 to 16 credits)¹	12	_____	2) _____	3	_____
51.261 Mineralogy (4), 51.262 Petrology (4), 51.265 Geomorphology (4),		_____	3) _____	3	_____
51.320 Remote Sensing(3), 51.360 Intro Paleontology(4), 51.369 Structural Geology(4),		_____	4) _____	3	_____
51.370 Surface Hydrology (3), 51.460 Aqueous Geochemistry (4),		_____	Group B (Social Sciences) - 12 Credits		
51.468 Stratigraphy & Sedimentation (4), 51.470 Groundwater Hydrology (3),		_____	1) _____	3	_____
51.475 Independent Study (3), 51.480 Geophysics1 (4), 51.493 Senior Research (3),		_____	2) _____	3	_____
51.496 Internship in Earth Science (3, credits beyond 3 count as free electives)		_____	3) _____	3	_____
1) _____		_____	4) _____	3	_____
2) _____		_____	Group C (Nat. Sci. & Math) - 0 Additional Credits		
3) _____		_____	Satisfied by Major requirements: 51.120, 52.115, 52.116, 54.111		
4) _____		_____	Free Electives³	26	
		_____	1) _____	3	_____
Select 2 Courses:	6	_____	2) _____	3	_____
53.112 Trigonometry, 53.113 Precalculus, 53.123 Essentials Calculus,		_____	3) _____	3	_____
53.125 Calculus I, 53.126 Calculus II, 53.141 Intro Statistics		_____	4) _____	3	_____
1) _____		_____	5) _____	3	_____
2) _____		_____	6) _____	3	_____
		_____	7) _____	3	_____
		_____	8) _____	3	_____
		_____	9) _____	2	_____
		_____	Optional 09.100 University Seminar⁴	1	_____
Note 1: If more than 12 credits taken for major electives, then reduce free electives.			TOTAL CREDITS FOR PROGRAM	120	
51.480 may be taken as 2nd physics course; then 51.480 may not count as elective.			Two Approved Diversity Courses⁵		
Note 2: One Communications or Values course may also count as Group A or B.			1) _____		
Note 3: Free Elective credits vary based on major elective choices.			2) _____		
Note 4: If 09.100 not taken, then take additional Free Elective Credit.					
Note 5: Two Major, General Ed. or Elective Courses selected must also					
qualify as Diversity Courses; see approved list in catalog and consult advisor.					