

Bloomsburg University - Department of Physics and Engineering Technology
Bachelor of Science in Health Physics

Courses	Cr.	Taken:	Courses	Cr.	Taken:
Physics Courses Required	31		Group A (Humanities) - 12 Credits		
54.211 General Physics I	4	_____	1) _____	3	_____
54.212 General Physics II	4	_____	2) _____	3	_____
54.310 Modern Atomic Physics	3	_____	3) _____	3	_____
54.315 Electronics	4	_____	4) _____	3	_____
54.320 Nuclear Radiation I	2	_____	Group B (Social Sciences) - 12 Credits		
54.330 Radiation Physics	3	_____	1) _____	3	_____
54.360 Health Physics	3	_____	2) _____	3	_____
54.420 Nuclear Radiation II	2	_____	3) _____	3	_____
54.460 Applied Health Physics	3	_____	4) _____	3	_____
54.488 Internship in Health Physics	3	_____	Group C (Nat. Sci. & Math) - 0 additional credits needed		
Collateral Courses Required:	37		1) Satisfied by major requirement 52.115 Chemistry for Science I		
50.114 Concepts of Biology I	4	_____	2) Satisfied by major requirement 53.126 Calculus II		
50.115 Concepts of Biology II	4	_____	3) Satisfied by major requirement 54.211 General Physics I		
50.411 Radiation Biology	3	_____	4) Satisfied by major requirement 54.212 General Physics II		
52.115 Chemistry for the Sciences I	4	_____	Free Electives (13 credits minimum)	13	
52.116 Chemistry for the Sciences II	4	_____	1) _____	3	_____
53.125 Calculus 1 ¹	3	_____	2) _____	3	_____
53.126 Calculus 2	3	_____	3) _____	3	_____
53.225 Calculus 3	3	_____	4) _____	3	_____
53.241 Probability and Statistics	3	_____	5) _____	1	_____
53.322 Differential Equations	3	_____	6) _____		_____
56.116 Algorithmic Processes	3	_____	Optional 09.100 University Seminar³	1	
General Education - Total Credits:	38		TOTAL CREDITS FOR PROGRAM	120	
Communication² - 9 Credits			Two Approved Diversity Courses:⁴		
1) 20.101 Composition 1	3	_____	1) _____		_____
2) 2nd Level Writing:	3	_____	2) _____		_____
3) _____	3	_____			
Quantitative - 0 Additional Credits					
Satisfied by major requirement 53.125 Calculus 1 ¹					
Values² - 3 Credits					
1) _____	3	_____			
Fitness - 2 Credits					
1) _____	1	_____			
2) _____	1	_____			

Note 1: A placement test is required for 53.125; students who need a prerequisite courses will have fewer free electives in the program.

Note 2: Students may count one Communications or Values course under the Group A or B category; May need additional free elective so total credits still equal 120.

Note 3: If 09.100 not taken, then take additional Free Elective Credit.

Note 4: Two Major, General Education or Elective Courses selected must also qualify as Diversity Courses; see approved list in catalog and consult advisor.