

Course Requirements for B.A. in Physics

The difference with B.S. in Physics is that 12 credits of electives must be chosen from languages for B.A. in Physics

Course	Credits	Courses	Credits
University Core Curriculum		Physics Freshman Courses	
First Year Experience	3	PHY 105 General Physics I	3
African American Experience	3	PHY 107L Freshman Physics Lab I	1
Social Sciences	6	PHY 106 General Physics II	3
Health Wellness	2-3	PHY 108L Freshman Physics Lab II	1
Humanities	9	PHY 171 Problem Solving Skills in Physics	1
English Composition	6	Total	9
Math Requirement: Students placed below MAT 121 will use MAT 111. Students placed in MAT 121 or higher meets automatically	0-3	Physics Core Courses	
Science Requirement: CHE 101 and CHE 102 with lab and recitation	8	PHY 211 Mechanics	3
		PHY 221 Waves and Optics	3
		PHY 251 Modern Physics	3
		PHY 271 Mathematical Methods in Physics	3
Language/Computer Science:		PHY 291 Sophomore Physics Lab	3
PHY 371 Computational Physics	3	PHY 331 Thermal Physics	3
Any Computer Science course	3	PHY 341 Electromagnetism	3
Total	43-47	PHY 391 Junior Physics Lab	3
		Total	24
Minor Emphasis/ Relevant to Major		Upper Level Physics Courses:	
MAT 121 Calculus I	4		
MAT 122 Calculus II	4	Minimum of 13 credits including PHY 311, PHY 342, PHY 451	13 (min)
MAT 214 Linear Algebra	3		
MAT 221 Calculus III	4	One or two courses selected from PHY 491, PHY 492, PHY 493 (Academic Enrichment)	3-6
MAT 222 Differential Equations	3		
Total	18	Electives chosen from languages	12
		Total	28-31
Total number of upper level courses, electives and enrichment courses should be chosen to make total credits between 120 and 124 to graduate			