

The University of Akron

Department of Physics, B.S. Degree Program

Minimum requirements for the B.S. degree in Physics as of 9/16/2015

- 120 completed credits and a minimum GPA of 2.0
- 40 credit hours of 300/400 level courses exclusive of gen. ed. courses and workshops
- completion of the second year of a foreign language or sign language
- 40 credit hours of physics courses and a minimum GPA of 2.0 in the physics courses
 - 33 credit hours of core physics courses
 - 7 credit hours of 400 level elective physics courses

	Crs	Sem./Grade			Crs	Sem./Grade
<u>Required Courses</u>						
Physics (3650)				Computer Science (3460)		
291 Elem. Class. Phys. I	4			209 Computer Science I	4	
292 Elem. Class. Phys. II	4					
301 Elem. Modern Phys.	3			Foreign Language (35X0)		
322 Intermediate Lab I	3			101 Beginning I	4	
323 Intermediate Lab II	3			102 Beginning II	4	
340 Thermal Physics	3			201 Intermediate I	3	
350 Modeling and Sim.	4			202 Intermediate II	3	
431 Mechanics I	3					
436 Electromagnetism I	3			General Education		
441 Quantum Phys. I	3			3300:111 English Comp I	3	
				3300:112 English Comp II	3	
Mathematics (3450)				7600:105 or 106 Oral Com.	3	
221 Anal. Geom Calc I	4			Social Science from 1 st set	3 (4)	
222 Anal. Geom Calc II	4			Social Science from 2 nd set	3 (2)	
223 Anal. Geom Calc III	4			3400:201 or 221 Humanities	4	
335 Intro. Ord. Diff. Eqs.	3			Humanities from 1 st set	3	
				Humanities from 2 nd set	3	
Chemistry (3150)				Area Studies 1 st course	2	
151 Princip. Chem. I Lec	3			Area Studies 2 nd course	2	
152 Princip. Chem. I Lab	1			Phys. Ed. / Wellness	1	
153 Princip. Chem. II Lec	3					
<u>Recommended Electives</u>						
Physics (3650)				Mathematics (3450)		
406 Optics	3			312 Linear Algebra	3	
451 Advanced Lab I	3			425 Complex Variables	3	
470 Intro. Solid State Phys	3					
481 Meth. Math. Phys. I	3					
488 Sel. Topics: Physics						
399 UG Research in Phys.						

Note: This curriculum guide is a recommended plan of study. Students with questions about requirements should contact an academic advisor.