

PURDUE UNIVERSITY
 Department of Physics
B.S. with HONORS Applied Physics (7PC)
 (Interim until New Physics Curriculum)
 (effective Fall 2007)

Semester	Physics	Math	Sci Req	Sci Req.	Sci Req.	Electives	Credits
1	Phys 172 (H) (4 cr.) Mechanics	Ma 165 (4 cr.) Calculus I	Chm 115 (4 cr.)	Language & Culture (3 cr.)	Teamwork (1 cr.)	[®] Phys 217 (1 cr.)	16-17
2	Phys 272 (H) (4 cr.) Electricity & Magnetism	Ma 166 (4 cr.) Calculus II	Chm 116 (4 cr.)	Language & Culture (3 cr.)	Engl 106 (4 cr.)		19
3	#Phys 290G (3 cr.) Gen. and Spl. Relativity OR #Phys 290F (3 cr.) (Mathematical Physics)	Ma 261 (4 cr.) Calculus III	Cs 158 (3 cr.)	Language & Culture (3 cr.)	Writing/ Presentation (3 cr.)		16-19
4	Phys 422 Optics(3 cr.) Phys450 Optics Lab(2 cr) Phys344 Modern Physics (4 cr)	Ma 262/266/366 Differential Eqns. (3-4 cr)	Statistics (3 cr.)			[®] Phys 235 (1 cr.) *Applied Elective (3-4 cr.)	20 - 23
5	Phys 410 Mechanics (3 cr.) Phys 430 E&M I (3 cr.)	Math Elective (3 cr.)		Great Issues (3 cr.)		Applied Elective (3-4 cr.)	15-16
6	Phys 460 Quantum I (3 cr.)	Math Elective (3 cr.)		Multidisciplinary (3 cr.)	Gen Ed (3 cr.)	Applied Elective Applied Elective (6-8 cr.)	18- 20
7	Phys 416 Thermal & Statistical Mechanics (4 cr) Phys 461 Quantum I (3cr)				Gen Ed (3 cr.)	Applied Elective Applied Elective Applied Elective (9- 12 cr.)	19-22
8					Gen Ed (3 cr.)	Applied Elective Applied Elective Applied Elective Applied Elective (12- 15 cr.)	15-18

Only one of these is Required.

[®] Strongly Recommended but not Required

1. The Applied Physics Program differs from the regular program in that slightly fewer physics credits are required; at least 30 hours of APPLIED electives are selected rather than free electives.

2. *Applied Elective = 1 - 5 credit hours of a Science, Technology or Engineering Class, including upper level physics courses.

3. For a partial list of applied electives follow the links on www.physics.purdue.edu

4. A grade point average of 2.0 in all physics and Applied Electives is required.

5. Minimum number of total credits required = 124 hours. At least 32 hrs. of 300 level or above coursework required