PURDUE UNIVERSITY
Department of Physics
B.S. Applied Physics Major (Interim until New Physics Curriculum)
(7PB)
(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.) E&M	Ma 166 (4 cr.) Calculus II		Language & Culture (3 cr.)	Engl 106 (4 cr.)		15
3	#Phys 290G (3 cr.) (Gen.and Spl. Relativity OR #Phys 290F (3 cr.) (Mathematical Physics) (3 cr.)	Ma 261 (4 cr.) Calculus III	Chm 116 (4 cr.)	Language & Culture (3 cr.)			14-17
4	Phys 342 (3 cr.) (Modern Physics)	Ma 262/266/366 Differential Eqns.(3-4 cr)	Statistics (3 cr.)	CS 158 (3 cr.)		®Phys 235 (1 cr.) *Applied Elective (3-4 cr.)	15-17
5	Phys 310 (4 cr.) Mechanics Phys 322-450 (5 cr.) (Optics and Lab)	Math Elective (3 cr.)	Great Issues (3 cr.)	Writing/ Presentation (3 cr.)		Applied Elective (3-4 cr.)	21-22
6	Phys 330 (3 cr.) (Electromagnetism)	Math Elective (3 cr.)	Gen Ed (3 cr.)	Multidisciplinary (3 cr.)		Applied Elective Applied Elective (6-8 cr.)	18 - 20
7	Phys 515 (3 cr.) (Therm & Stat. Mech) Phys 342L (1 cr.) (Modern Lab)		Gen Ed (3 cr.)			Applied Elective Applied Elective Applied Elective (9 - 12 cr.)	16- 19
8	Phys 360 (3 cr.) (Quantum)		Gen Ed (3 cr.)			Applied Elective Applied Elective Applied Elective (9 - 12 cr.)	15 - 18

Only One of these 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.