

PURDUE UNIVERSITY
Department of Physics
B.S. Applied Physics with Specialization in Atmospheric Sciences (7PK)
(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.) E&M	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		Language & Culture (3 cr.)		EAS 225 (3 cr.) Science of the Atmosphere	13 - 16
4	Phys 342 (3 cr.) (Modern Physics)	Ma 262/266/366 Differential Eqns.(3-4 cr)	Statistics (3 cr.)	CS 158 (3 cr.)		EAS 320 (3 cr.) Physics of Climate [®] Phys 235 (1 cr.)	16 - 18
5	Phys 310 (4 cr.) Mechanics Phys 322-450 (5 cr.) (Optics and Lab)		Great Issues (3 cr.)	Writing/ Presentation (3 cr.)		EAS 421 (3 cr.) Atmospheric . Thermodynamics	18
6	Phys 330 (3 cr.) (Electromagnetism)	Math Elective (3 cr.)	Gen Ed (3 cr.)	Multidisciplinary (3 cr.)		EAS 532 (3 cr.) Atmospheric Physics I EAS 422 (3 cr.) Atmospheric Dynamics I	18
7	Phys 515 (3 cr.) (Therm & Stat. Mech) Phys 342L (1 cr.) (Modern Lab)	Math Elective (3 cr.)	Gen Ed (3 cr.)			EAS 423 (3 cr.) Atmospheric Dynamics II EAS or *Applied Elect. (3 - 4 cr.)	16 - 17
8	Phys 360 (3 cr.) (Quantum)		Gen Ed (3 cr.)			EAS or Applied Elect.(3-4 cr.) EAS or Applied Elect.(3-4 cr.) EAS or Applied Elect.(3-4 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.