

PURDUE UNIVERSITY
Department of Physics
B.S. Physics Major
with Specialization in Teaching (7PT)
(Interim until New Physics Curriculum)
(effective Fall 2007)

Semester	Physics	Math	Sci Req.	Sci Req.	Sci Req.	Education Cr.	Credits
1	Phys 172(H) (4 cr.)** Mechanics	Ma 165 (4 cr.) Calculus I	Chm 115 (4 cr.)	Language& Culture (3 cr.)	Gen Ed I (3 cr.)		18
2	Phys 272(H) (4 cr.)*** E&M	Ma 166 (4 cr.) Calculus II	Engl 106 (4 cr.)	Language& Culture (3 cr.)		ED Tech EDCI 270 (2 cr.)	17
3	#Phys 290G (3 cr.) Special/Gen Relativity OR #Phys 290F (3 cr.) (Mathematical Physics)	Ma 261 (4 cr.) Calculus III				Block I EDCI 205 (3 cr.) EDCI 285(3 cr.)	16
4	Phys 342 (3 cr.) Modern Physics	Ma 266/366/262 Diff. Eq.(3-4 cr.) ®Phys 235 (1 cr.)	Chm 116 (4 cr.)	CS 158 (3 cr.)	Writing/ Presentation (3 cr.)		16-18
5	Phys 310 (4 cr.) Interm Mech Phys 322 (3 cr.) Optics Phys 450 (2 cr.) Optics Lab	Math Elective (3 cr.)				Block II EDPS 235 (3 cr.) EDPS 265 (3 cr.)	18
6	Phys 330 (3 cr.) Interm E&M Phys 360 (3 cr.) Quantum Phys 536 (4 cr.) Electr. Tech.		Gen Ed II (3 cr.)	Statistics (3 cr.)			16
7	Phys 515 (3 cr.) Thermal and Stat Mech Phys 342L (1 cr.) Modern Lab	Math Elective (3 cr.)			Great Issues (3 cr.)	Ed Phil EDST 200 (3 cr.) Methods EDCI 424 (3 cr.)	16
8						Methods EDCI 428 (2 cr.) Student Teaching EDCI 498W (10 cr.)	12

Only one of these is Required.

® Strongly Recommended but not Required.

* Foreign Language and English Composition are interchangeable in terms of when they are taken.

**Phys 152 or Phys (162, 163) are acceptable substitutes.

***Phys 241, 261, with Phys (252 +290d) or Phys 271 with 271L are acceptable substitutes.

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