

**PURDUE UNIVERSITY**  
**Department of Physics**  
**B.S. Physics Major (Honors) (7PH)**  
**(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		Language & Culture (3 cr.)	Engl 106 (4 cr.)		15
3	#Phys 290G (3 cr.) Special/Gen Relativity OR #Phys 290F (3 cr.) (Mathematical Physics)(3 cr.)	Ma 261 (4 cr.) Calculus III	CS 158 (3 cr.)	Language & Culture (3 cr.)			13-16
4	Phys 344 (4 cr.) Modern Physics Phys 422 Optics (3 hr.)	Ma 266/366/262 Diff. Eq. (3 - 4 cr.)	Statistics (3 cr.)		Writing/ Presentation (3 cr.)	®Phys 235 (1 cr.)	16-18
5	Phys 430 E&M I (3 cr.) Phys 410 Mech. I (3 cr.) Phys 450 Optics Lab (2 cr.)	Math Elective (3 cr.)	Chm 116 (4 cr.)	Great Issues (3 cr.)			18
6	Phys 460 QM I (3 cr.) Phys 411 Mech II (2 cr.) Phys 431 E & M II (2 cr.)	Math Elective (3 cr.)	Gen Ed (3 cr.)	Multidisciplinary (3 cr.)			16
7	Phys 461 QM II (3 cr.) Phys 416 Stat. Mech. (4 cr.) Phys 342L Modern Physics Lab (1 cr.) Phys 593 Adv Lab ( 3 cr.)		Gen Ed (3 cr.)			Elective (Phys or other) (3 cr.)	17
8	Phys 536 (4 cr.) Phys 593 Adv Lab ( 3 cr.) βPhys 450 Optics Lab (2 cr.)		Gen Ed (3 cr.)			Elective (Phys or other) (3 cr.)	15

# Only one of these is Required.

β (If Optics Lab was not taken in Sem 5)

® 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.