

PURDUE UNIVERSITY
 Department of Physics
 B.S. with Physics Major (76A)
 Typical Plan of Study

Semester	Physics	Math	General Ed Lab Sci	Foreign Language Electives	Credits
1	Phys 172(H) (4 cr.)** Mechanics ⓂPhys 217 (1 cr.)	Ma 165 (4 cr.) Calculus I	Chm 115 (4 cr.)	(* Foreign Language 3 cr.)	15-16
2	Phys 272(H) (4 cr.)*** E&M	Ma 166 (4 cr.) Calculus II	Chm 116 (4 cr.)	(* Foreign Language 3 cr.) *Engl 106 or 108 (4 or 3 cr.)	18 - 19
3	#Phys 290G (3 cr.) Special/Gen Relativity #Phys 290F (3 cr.) (Mathematical Physics)	Ma 261 (4 cr.) Calculus III	Lab Sci (3 -4 cr.)	(* Foreign Language 3 cr)	13-17
4	Phys 342 (3 cr.) Modern Physics ⓂPhys 290A (1 cr.)	Ma 266/366/262 Diff. Eq. (3 - 4 cr.)	Lab Sci (3 - 4cr.) Gen Ed (3 cr.)	(* Foreign Language 3 cr)	15 - 18
5	Phys 310 (4 cr.) Interm Mech Phys 322 (3 cr.) Optics Phys 450 (2 cr.) Optics Lab	Math Elective (3 cr.)	Gen Ed (3 cr.)		15
6	Phys 330 (3 cr.) Intermediate E&M	Math Elective (3 cr.)	Gen Ed (3 cr.) Gen Ed (3 cr.)	Elective (3 cr.)	15
7	Phys 515 (3 cr.) Thermal and Stat Mech Phys 342L (1 cr.) Modern Lab		Gen Ed (3 cr.)	Adv. Engl Comp. (3 cr.) Elective (3 cr.) Elective (3 cr.) (Physics Elective or Other)	16
8	Phys 360 (3 cr.) Quantum Phys 536 (4 cr.) Electronic Techniques		Gen Ed (3 cr)	Elective (3 cr.) Elective (3 cr.) (Physics Elective or Other)	16

* 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

Phys 290G or Phys 290F (3 cr.) (Introduction to Mathematical Methods in Physics) may be taken.