

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

Semester	Physics	Math	General Ed Lab Sci	Foreign Language AND Teaching Requirements	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	EDCI 270 (2 cr.)	(* Foreign Language 3 cr.) *Engl 106 or 108 (4 or 3 cr.)	16 - 17
3	#Phys 290G (3 cr.) Special/Gen Relativity #Phys 290F (3 cr.)	Ma 261 (4 cr.) Calculus III	Chm 116 (4 cr.)	EDCI 205 AND EDCI 285 (6 cr.)	17
4	Phys 342 (3 cr.) Modern Physics @Phys 290A (1 cr.)	Ma 266 Diff. Eq. (3 cr.)	Lab Sci (3 - 4 cr.) Gen Ed (3 cr.)	EDPS 235 AND EDPS 265 (6 cr.)	18 - 20
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.) Gen Ed (3 cr.)		18
6	Phys 330 (3 cr.) Intermediate E&M Phys 360 (3 cr.) Quantum Phys 536 (4 cr.) Electronic Techniques		Lab Sci (3 - 4 cr.)	EDFA 200 (3 cr.)	16 - 17
7	Phys 515 (3 cr.) Thermal and Stat Mech Phys 342L (1 cr.) Modern Lab	Math Elective (3 cr.)	Gen Ed (3 cr.) Gen Ed (3 cr.)	Adv. Engl Comp. (3 cr.) EDCI 424 (3 cr.)	19
8				EDFA 428 (2 cr.) EDCI 498 (10 cr.) (Physics Elective or Other)	12

* 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.