

Applied Physics Plan of Study

NOTES: Physics 3X0 = Statistical Mechanics, and Classical Mechanics; Physics 4X0 = Quantum Mechanics, and Electromagnetic Theory; Physics 3XX = Astrophysics, or Nuclear and Particle. These courses and Advanced Laboratory (Physics 384) can be taken any time after the second semester of the second year. Exact rotation depends on the student's year of major declaration.

Freshman		
<i>Fall Semester</i>		
FSEM 100	First-Year Seminar	3
Physics 190	Physics PEER Journey	1
Physics 105	University Physics I	4
Math 121	Calculus I	4
General Education Courses		3
		15
<i>Spring Semester</i>		
Physics 106	University Physics II	4
Math 122	Calculus II	4
General Education Courses		6
		15
Sophomore		
<i>Fall Semester</i>		
Physics 211	Modern Physics	3
Physics 302	Math Methods for Physics	3
General Education Courses		9
		15
<i>Spring Semester</i>		
Physics 3X0 (recommended)	Upper-level Theory Elective	3
Physics 220	Materials, Fluids, Thermodynamics	3
General Education Courses		12
		15
Junior		
<i>Fall Semester</i>		
Physics 471 (recommended)	Physics Elective	3/4
Physics 283 or 300	Electronics or Optics**	4
General Education Courses		8
		16
<i>Spring Semester</i>		
Physics 3X0 (one or other)	Upper-level Theory Elective	4
Physics 4X0 (one or other)	Upper-level Theory Elective	4
General Education Courses		6
		14
** These courses are offered	every other year	

Senior		
<i>Fall Semester</i>		
Physics 384	Advanced Laboratory (elective)	3
Physics 471	Special Topics Elective	3
Physics 283 or 300	Electronics or Optics**	4
General Education Courses		9
		15
<i>Spring Semester</i>		
Physics 482	Senior Seminar	2
Physics 4X0 (if not taken)	Upper-level Theory Elective	4
Electives		9
		15
Total Credits	35 – 36	120
** These courses are offered every other year		