

Applied Physics Option

Year	Autumn Semester	Credit hours	Comment		Spring Semester	Credit Hours	Comment	
1	Physics 1250	5	Intro Physics I		Physics 1251	5	Intro Physics I	
	Math 1151	5	Calculus I		Math 1152	5	Calculus II	
	ASC 1100	1	Survey		CSE 1222°	3	C++ Programming	
	Foreign Lang. 1	4			Foreign Lang. 2	4		
	Total Hours	15				Total Hours	17	
2	Physics 2300	4	Mechanics I		Physics 2301	4	Mechanics II	
	Physics 2095	1	Seminar		Physics 3700	3	Data Ana. Lab	
	Math 2153	4	Calculus III		Math 2415†	3	Diff. Equations	
	Foreign Lang. 3	4			Gen Ed	3		
	Gen Ed	3			Gen Ed	3		
	Total Hours	16				Total Hours	16	
3	Physics 5500	4	Quantum		Physics 5400	4	Electromagnetism	
	<i>Elective</i>	3	Min 15 hrs total		Physics Elective*	4	Required Elective	
	Gen Ed	3			Physics 4700**	3	Electronics Lab	
	Gen Ed	3			Gen Ed	3		
	Total Hours	13				Total Hours	14	
4	<i>Elective</i>	3	Min 15 hrs total		Physics 5700	3	Senior Lab	
	<i>Elective</i>	3	Min 15 hrs total		<i>Elective</i>	3	Min 15 hrs total	
	Gen Ed	3			<i>Elective</i>	3	Min 15 hrs total	
	Free Elective [◊]	4			Gen Ed	3		
	Gen Ed	3			Free Elective [◊]	3		
	Total Hours	16				Total Hours	15	

Courses in YELLOW are only offered in the term shown

Enrollment information can be found at physics.osu.edu/controlled-access-courses

* Acceptable Physics Electives include: Physics 5501, 5501H, 5401H, 3470, 3201H (if not taken as a lab), 5300, 5600, 5680 (if not taken as a lab), and 68xx

** or Physics 5680 (Big Data Analytics) or Physics 6810 (Computational Physics) or Physics 3201H (Holography)

† or 2174 or 2255 or 5520H. Linear Algebra (Math 2568) is recommended, but not required.

° or CSE 1223 or Astronomy 1221

◊ Free electives are only required if a student needs to take extra courses in order to reach the minimum 121 credit hour requirement set by the College of Arts and Sciences.

Elective : the Applied Physics Option requires a minimum of 15 semester hours of electives.

Elective guidelines can be found at physics.osu.edu/applied-physics-option-electives