

Applied Physics Focus (Legacy GE)

Year	Autumn Semester	Credit hours	Comment		Spring Semester	Credit Hours	Comment
1	Physics 1250 ¹	5	Intro Physics I		Physics 1251 ¹	5	Intro Physics I
	Math 1151	5	Calculus I		Math 1152	5	Calculus II
	ASC 1100	1	Survey		CSE 1222 ²	3	C++ Programming
	World Language 1	4			World Language 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	3	Diff. Equations
	World Language 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
	Applied Elective ⁷	3	Min 15 hrs total		Physics Elective ⁶	4	Required Elective
	Gen Ed	3			Physics 4700 ⁴	3	Electronics Lab
	Gen Ed	3			Gen Ed	3	
	Total Hours	13				Total Hours	14
4	Applied Elective ⁷	3	Min 15 hrs total		Physics 5700	3	Senior Lab
	Applied Elective ⁷	3	Min 15 hrs total		Applied Elective ⁷	3	Min 15 hrs total
	Gen Ed	3			Applied Elective ⁷	3	Min 15 hrs total
	Free Elective ⁵	4			Gen Ed	3	
	Gen Ed	3			Free Elective ⁵	3	
	Total Hours	16				Total Hours	15

Courses in YELLOW are only offered in the term shown

¹ Students can take 1270-1271 or 1260-1261 (for students who started in Engineering) in place of 1250-1251

² or CSE 1223 or CSE 1224 or Astronomy 1221

³ or 2174 or 2255 or 5520H. Linear Algebra (Math 2568) is recommended, but not required.

⁴ or Physics 5680 (Big Data Analytics) or Physics 5810 (Computational Physics)

⁵ 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.

⁶ Acceptable physics electives include Physics 5501, 5501H, 5401H, 3470, 5261, 5300, 5600, 5680 (if not taken as a lab), 5810 (if not taken as a lab), and 68xx

⁷ A list of Applied Elective options and requirements are at physics.osu.edu/applied-physics-option-electives