

Advanced Physics Focus - Honors (Legacy GE)

Year	Autumn Semester	Credit Hours	Comment		Spring Semester	Credit Hours	Comment
1	Physics 1250H ¹	5	Intro Physics I		Physics 1251H ¹	5	Intro Physics II
	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 5500H	4	Honors Quantum I		Physics 5501H	4	Honors Quantum II
	Physics 5400H	3	Honors E&M I		Physics 5401H	4	Honors E&M II
	Physics 4700 ⁴	3	Electronics Lab		Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Total Hours	14			Total Hours	14	
4	Physics 5300	4	Theoretical Mech.		Physics 5600	4	Statistical Mech.
	Physics 5700	3	Senior Lab		Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Free Elective ⁵	4			Free Elective ⁵	3	
					Free Elective ⁵	3	
	Total Hours	14			Total Hours	16	

Courses in yellow are only offered during the term shown

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

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.