Advanced Physics Option - Honors

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[4]	3	Diff. Equations
	World Language 3	4		Writing & Info Literacy	3	Gen Ed
	GenEd 1201[3]	1	Launch Seminar	Literary, Visual, Performing Arts	3	Gen Ed
	Total Hours	**14**		**Total Hours**	**16**	
3	Physics 5500H	4	Honors Quantum I	Physics 5501H	4	Honors Quantum II
	Physics 5400H	4	Honors E&M I	Physics 5401H	4	Honors E&M II
	Physics 4700[5]	3	Electronics Lab	Social & Behavioral Sciences	3	Gen Ed
	Historical & Cultural Stds	3	Gen Ed	Race, Ethnicity, Gender Diversity	3	Gen Ed
	Total Hours	**14**		**Total Hours**	**14**	
4	Physics 5600	4	Stat. Mechanics	Physics 5300	4	Theoretical Mech.
	Physics 5700	3	Senior Lab	Thematic Pathways #3	3	Gen Ed
	Thematic Pathways #1	3	Gen Ed	Thematic Pathways #4	3	Gen Ed
	Thematic Pathways #2	3	Gen Ed	GenEd 4001	1	Reflection Seminar
	Free Elective[6]	3		Free Elective[6]	4	
	Total Hours	**16**		**Total Hours**	**15**	

Courses in YELLOW are only offered during the term shown

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

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

[2] or CSE 1223 or CSE 1224 or Astronomy 1221

[3] Students are required to complete the Launch Seminar within their first three semesters on campus

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

[5] or Physics 5680 (Big Data Analytics) or Physics 6810 (Computational Physics) or Physics 3201H (Holography)

[6] 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.