

Double Major in Physics & Astronomy/Astrophysics (Honors)

Year	Autumn Semester	Credit hours	Comment		Spring Semester	Credit Hours	Comment
1	Physics 1250H	5	Intro Physics I		Physics 1251H	5	Intro Physics I
	Math 1151	5	Calculus I		Math 1152	5	Calculus II
	ASC 1100	1	Survey		CSE 1222°	3	C++ Programming
	Astro 2895	1	Seminar		Foreign Lang. 2	4	
	Foreign Lang. 1	4					
	Total Hours	16			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
	Astro 2291	3	Intro Astrophysics I		Astro 2292	3	Intro Astrophysics II
	Foreign Lang. 3	4	GEC # 3		Math 2568†	3	Linear Algebra
	Total Hours	16			Total Hours	16	
3	Physics 5500H	4	Quantum I		Physics 5501H	4	Quantum II
	Physics 5400H	4	E&M I		Physics 5401H	4	E&M II
	Astro 3350	3	Methods of Observation		Astro 5681◇	3	Stellar Evolution
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Total Hours	17			Total Hours	17	
4	Physics 5600	4	Stat. Mech.		Physics 5300	4	Theoretical Mech.
	Physics 4700**	3	Electronics Lab		Physics 5700	3	Senior Lab
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3					
	Total Hours	16			Total Hours	13	

Courses in yellow are only offered in the term shown

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

† Math 5520H can be taken in place of Math 2415 and 2568.

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

° or CSE 1223 or Astronomy 1221

◇ Either Astronomy 5681 or 5682 must be taken

Courses that count exclusively toward Physics		Courses that count exclusively toward astronomy		Courses that count toward both	
Physics 2095	1	Astro 2291	3	Physics 2300	4
Physics 3700	3	Astro 2292	3	Physics 2301	4
Physics 4700	3	Astro 3350	3	Physics 5400	4
Physics 5300	4	Astro 5681	3	Physics 5500	4
Physics 5600	4	Math 2568	3	Physics 5501	4
Physics 5700	3	Math 2415	3		
Physics Elective	4				
Total	22	Total	18	Total	20