

## Advanced 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 II
	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	
	<b>Total Hours</b>	<b>15</b>				<b>Total Hours</b>	<b>17</b>
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	
	<b>Total Hours</b>	<b>16</b>				<b>Total Hours</b>	<b>16</b>
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
	Gen Ed	3	GE # 7		Physics 4700**	3	Electronics Lab
	Gen Ed	3	GE # 8		Gen Ed	3	
	<b>Total Hours</b>	<b>14</b>				<b>Total Hours</b>	<b>14</b>
4	Physics 5600	4	Stat. Mech.		Physics 5300	4	Theoretical Mech.
	Gen Ed	3			Physics 5700	3	Senior Lab
	Gen Ed	3			Gen Ed	3	
	Free Elective <sup>◇</sup>	4			Free Elective <sup>◇</sup>	3	
					Free Elective <sup>◇</sup>	3	
	<b>Total Hours</b>	<b>14</b>				<b>Total Hours</b>	<b>16</b>

Courses in YELLOW are only offered during the term shown

Enrollment information can be found at [physics.osu.edu/controlled-access-courses](http://physics.osu.edu/controlled-access-courses)

\* If the honors sequence is not taken, students can substitute Physics 5501H and 5401H with other physics courses at the 2000 level or above. Options include Physics 6809, 3470, 6806, 5740, etc.

\*\* or Physics 6810 (Computational Physics) or Physics 3201H (Holography)

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

◇ 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.