

## 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 5500	4	Quantum I		Physics 5501	4	Quantum II
	Physics 4700**	3	Electronics Lab		Physics 5400	4	E&M
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Free Elective <sup>◊</sup>	3					
	<b>Total Hours</b>	<b>16</b>			<b>Total Hours</b>	<b>14</b>	
4	Physics 5600	4	Stat. Mech.		Physics 5300	4	Theoretical Mech.
	Physics 5700	3	Senior Lab		Physics Elective*	4	
	Gen Ed	3			Gen Ed	3	
	Free Elective <sup>◊</sup>	4			Free Elective <sup>◊</sup>	3	
	<b>Total Hours</b>	<b>14</b>			<b>Total Hours</b>	<b>14</b>	

Courses in YELLOW are only offered during the term shown

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

\* Acceptable physics electives include Physics 3470, Physics 3201H (if not taken as a lab), Physics 5680 (if not taken as a lab), and Physics 68xx

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

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

° or CSE 1223 or Astronomy 1221

◊ 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.