

## Physics Teaching Option

Year	Autumn Semester	Credit hours	Comment		Spring Semester	Credit Hours	Comment
1	Physics 1270 <sup>1</sup>	5	Intro Physics I		Physics 1271 <sup>1</sup>	5	Intro Physics I
	Math 1151	5	Calculus I		Math 1152	5	Calculus II
	ASC 1100	1	Survey		CSE 1222 <sup>2</sup>	3	C++ Programming
	World Language 1	4			World Language 2	4	
	GenEd 1201 <sup>3</sup>	1	Launch Seminar				
	<b>Total Hours</b>	<b>16</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 Analysis Lab
	Math 2153	4	Calculus III		Math 2415 <sup>4</sup>	3	Diff. Equations
	World Language 3	4			Chem 1220	5	Gen. Chem. II
	Chem 1210	5	Gen. Chem. I		Writing & Info Literacy	3	Gen Ed
	<b>Total Hours</b>	<b>18</b>			<b>Total Hours</b>	<b>18</b>	
3	Physics 5500	4	Quantum Mech.		Physics 5400	4	Electromagnetism
	Physics Elective <sup>7</sup>	4	Required Elective		Physics 4700 <sup>5</sup>	3	Electronics Lab
	Biology 1113	4	Gen. Biology		Historical & Cultural Stds	3	Gen Ed
	Literary, Visual, Performing Arts	3	Gen Ed		Social & Behavioral Sciences	3	Gen Ed
	<b>Total Hours</b>	<b>15</b>			<b>Total Hours</b>	<b>13</b>	
4	Astro 2291	3	Astrophysics I		Physics 5700	3	Senior Lab
	Geog 5900	3	Climatology		Earth Sci 1110	3	Life on Earth
	Thematic Pathways #1	3	Gen Ed		Thematic Pathways #3	3	Gen Ed
	Thematic Pathways #2	3	Gen Ed		Thematic Pathways #4	1	Reflection Seminar
	Race, Ethnicity, Gender Diversity	3	Gen Ed		GenEd 4001	3	Gen Ed
	<b>Total Hours</b>	<b>15</b>			<b>Total Hours</b>	<b>13</b>	

Courses in YELLOW are only offered in the term shown

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

<sup>1</sup> Students can take 1250-1251 or 1260-1261 (for students who started in Engineering Honors) in place of 1270-1271

<sup>2</sup> or CSE 1223 or CSE 1224 or Astronomy 1221

<sup>3</sup> Students are required to complete the Launch Seminar within their first three semesters on campus

<sup>4</sup> or 2174 or 2255 or 5520H. Linear Algebra (Math 2568) is recommended, but not required.

<sup>5</sup> or Physics 5680 (Big Data Analytics) or Physics 6810 (Computational Physics) or Physics 3201H (Holography)

<sup>7</sup> Acceptable physics electives include Physics 5501, 5501H, 5401H, 3470, 3201H (if not taken as a lab), 5300, 5600, 5680 (if not taken as a lab), and 68xx