

## Life Sciences Option (Pre-Med) (Legacy GE)

Year	Autumn Semester	Credit hours	Comment		Spring Semester	Credit Hours	Comment
1	Physics 1250 <sup>1</sup>	5	Intro Physics I		Physics 1251 <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
	Chem 1210	5	Gen. Chem. I		Chem 1220	5	Gen. Chem. II
	<b>Total Hours</b>	<b>16</b>			<b>Total Hours</b>	<b>18</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 <sup>3</sup>	3	Diff. Equations
	Gen Ed	3			Chem 2520	4	Organic Chem II
	Chem 2510	4	Organic Chem I		Chem 2550	2	O-Chem Lab II
	Chem 2540	2	O-Chem Lab I				
	<b>Total Hours</b>	<b>18</b>			<b>Total Hours</b>	<b>16</b>	
3	Biology 1113	4	Gen. Biology I		Biology 1114	4	Gen. Biology II
	Physics 5500	4	Quantum Mech.		Physics 5400	4	Electromagnetism
	World Language 1	4			World Language 2	4	
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Physics 4700 <sup>4</sup>	3	Electronics Lab
	<b>Total Hours</b>	<b>18</b>			<b>Total Hours</b>	<b>18</b>	
4	World Language 3	4			Physics 5700	3	Senior Lab
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Physics Elective <sup>6</sup>	4	Required Elect		Gen Ed	3	
					Biochem 4511	4	Recommended Elect
	<b>Total Hours</b>	<b>14</b>			<b>Total Hours</b>	<b>16</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 1270-1271 or 1260-1261 (for students who started in Engineering) in place of 1250-1251

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

<sup>3</sup> or 2174 or 2255 or 5520H. Linear Algebra (Math 2568) is recommended, but not required.

<sup>4</sup> or Physics 5680 (Big Data Analytics) or Physics 6810 (Computational Physics) or Physics 3201H (Holography)

<sup>6</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