

Life Sciences Focus (Pre-Med) - Legacy GE

Year	Autumn Semester	Credit hours	Comment		Spring Semester	Credit Hours	Comment	
1	Physics 1250 ¹	5	Intro Physics I		Physics 1251 ¹	5	Intro Physics I	
	Math 1151	5	Calculus I		Math 1152	5	Calculus II	
	ASC 1100	1	Survey		CSE 1222 ²	3	C++ Programming	
	Chem 1210	5	Gen. Chem. I		Chem 1220	5	Gen. Chem. II	
	Total Hours	16				Total Hours	18	
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	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					
	Total Hours	18				Total Hours	16	
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 ⁴	3	Electronics Lab	
	Total Hours	18				Total Hours	18	
4	World Language 3	4			Physics 5700	3	Senior Lab	
	Gen Ed	3			Gen Ed	3		
	Gen Ed	3			Gen Ed	3		
	Physics Elective ⁶	4	Required Elect		Gen Ed	3		
					Biochem 4511	4	Recommended Elect	
	Total Hours	14				Total Hours	16	

Courses in YELLOW are only offered in the term shown

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

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

² or CSE 1223 or CSE 1224 or Astronomy 1221

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

⁴ or Physics 5680 (Big Data Analytics) or Physics 5810 (Computational Physics)

⁶ Acceptable physics electives include Physics 5501, 5501H, 5401H, 3470, 5261, 5300, 5600, 5680 (if not taken as a lab), 5810 (if not taken as a lab), and 68xx