

Life Sciences Option (Pre-Med)

Year	Autumn Semester	Credit hours	Comment	Spring Semester	Credit Hours	Comment
1	Physics 1270 ¹	5	Intro Physics I	Physics 1271 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 ⁴	3	Diff. Equations
	GenEd 1201 ³	1	Launch Seminar	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	16		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	
	Writing & Info Literacy	3	Gen Ed	Historical & Cultural Stds	3	Gen Ed
	Literary, Visual, Perf. Arts	3	Gen Ed	Physics 4700 ⁵	3	Electronics Lab
	Total Hours	18		Total Hours	18	
4	World Language 3	4		Physics 5700	3	Senior Lab
	Thematic Pathways #1	3	Gen Ed	Race, Ethnicity, Gender Diversity	3	Gen Ed
	Thematic Pathways #2	3	Gen Ed	Thematic Pathways #3	3	Gen Ed
	Physics Elective ⁷	4	Required Elect	Thematic Pathways #4	3	Gen Ed
	Social & Behavioral Sciences	3	Gen Ed	Biochem 4511	4	Recommended Elect
				Gen Ed 4001	1	Reflection Seminar
	Total Hours	17		Total Hours	17	

Courses in YELLOW are only offered in the term shown

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

² or CSE 1223 or CSE 1224 or Astronomy 1221

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

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

⁵ or Physics 5680 (Big Data Analytics) or Physics 6810 (Computational Physics)

⁷ Acceptable physics electives include Physics 5501, 5501H, 5401H, 3470, 5261, 5300, 5600, 5680 (if not taken as a lab), and 68xx