

Curriculum for a B.S. degree in Biochemistry, Molecular Biophysics Track

Year	Term	BIOCH		CHM		BIOL		PHYS		MATH		STAT					
1	Fall	110 Biochem Society	3	210 Chemistry I#	4					220 Calc I	4	703 Statistical Methods for Natural Scientists A&S requirements	3 32				
	Spr			230 Chemistry II#	4	198 Prin Biology	4			221 Calc II	4						
2	Fall			350 Gen Org Chem 351 Gen Org Lab <i>Optional</i> 531 Org Chem I (3) 532 Org Lab (2)*	3 2	450 Modern Genetics 455 General Microbiology	4 4	213 Eng Phys I or 223 Physics I	5 5	222 Analytic Geometry and Calculus III	4			(4)			
	Spr	521 Gen Biochem 522 Gen Biochem Lab	3 3	371 Chemical Analysis	4	541 Cell Biology	3	214 Eng Phys II or 224 Physics II	5 5	Electives: 340 Elementary Differential Equations							
3	Fall	755 Biochem I 756 Biochem I Lab	3 2					664 Thermodynamics and Statistical Physics or 775 Biological Physics	3 3	515 Introduction to Linear Algebra						(4)	
	Spr	765 Biochem II (757/758/766/767) Labs	3 (2) ¹	500: General Physical Chemistry	3												
4	Fall	799 Problems in Biochem	(2) ^{1,2}														
	Spr	775 Molecular Biophysics	3														
Total			22		20		15		13		12		35				

Total credit hours of required courses 117

Electives³ 3

Total 120

¹ Either advanced laboratory (757/758/766/767) or 2 research credits (BIOCH 799)

² BIOCH 799 (Problems in Biochemistry) may be taken for 1-2 credits in any year of the degree plan

³ MATH 340 or any upper division (>500 level) course in the following departments: BIOCH, BIOL, CHM, CIS, MATH, STAT

Honors Chemistry I and II (CHM 220, 250) can be taken instead of CHM 210,230 and in such case, CHM 371 is not required

*CHM 550 (Org Chem II) should be taken if the option CHM 531,532 is selected and will count towards electives