

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

Year	Term	BIOCH		CHM		BIOL		PHYS		MATH/STAT		Univ. & College Req.			
1	Fall	110 Biochem Society	3	210 Chemistry I#	4					220 Calc I	4	<i>K- Core[^]</i>	27		
	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	4	213 Eng Physics I	5	222 Calc III	4	<i>ArtSci Requirements</i>	6		
	Spr	521 Gen Biochem 522 Gen Biochem Lab	3 3	371 Chemical Analysis	4	455 General Microbiology	4	214 Eng Physics II	5	Any 3 credit hours in Statistics	3			<i>Free Electives</i>	2
3	Fall	755 Biochem I 756 Biochem I Lab	3 2												
	Spr	765 Biochem II 757/758/766/767 Labs	3 (2) ¹	500: Gen Physical Chemistry#	3			664 Thermodynamics	3						
4	Fall	799 Adv. Research	(2) ^{1,2}					Or 775 Biological Physics							
	Spr	775 Molecular Biophysics	3												
Total		22		20		15		13		15		35			

Total credit hours of required courses 120

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

² BIOCH 799 (Advanced Research Training 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, PHYS, STAT

Honors Chemistry I and II (CHM 220, 250) can be taken instead of CHM 210, 230

Physical Chemistry I (CHM 585) may be substituted

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

[^]Requirement 3 (Math & Stat) and Requirement 4 (Natural Sci) are fulfilled through major requirements