

Curriculum for a B.S. degree in Biochemistry

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	K- Core[^] ArtSci Requirements College Orientation	27 6 1
	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	113 Gen Physics I or 213 Eng Physics I	4 5	Any 3 credit hours in Statistics	3		
	Spr	521 Gen Biochem 522 Gen Biochem Lab	3 3	371 Chemical Analysis	4	541 Cell Biology	3	114 Gen Physics II or 214 Eng Physics II	4 5				
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								
4	Fall	799 Adv. Research	(2) ^{1,2}										
	Spr	775 Molecular Biophysics	3										
Total		22		20		15		8 or 10		11		34	

Total credit hours of required courses **110**

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

Upper Division Electives³ **10**

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

Total 120

³ MATH 222 or 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