

## 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	<b>K- Core<sup>^</sup></b>  <b>ArtSci</b> <b>Requirements</b>  <b>College</b> <b>Orientation</b>	<b>27</b>  <b>6</b>  <b>1</b>
	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) <sup>1</sup>	500: Gen Physical Chemistry#	3								
4	Fall	799 Adv. Research	(2) <sup>1,2</sup>										
	Spr	775 Molecular Biophysics	3										
<b>Total</b>		<b>22</b>		<b>20</b>		<b>15</b>		<b>8 or 10</b>		<b>11</b>		<b>34</b>	

Total credit hours of required courses **110**

Upper Division Electives<sup>3</sup> **10**  
**Total 120**

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

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

<sup>3</sup> 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