Drexel University
Department of Biology
Undergraduate Curriculum Sequence for the Biological Sciences Major
Cell/Mol Bio/Genetics/Biochem Concentration
Biochemistry Focus Area
5 CO-OP Sp/Su COOP

FALL		WINTER		SPRING		SUMMER
Freshman						
BIO 122 Cells & Genetics	4.5	BIO 124 Evolution & Org Diversity	4.5	BIO 126 Physiology & Ecology	4.5	VACATION
CHEM 101 General Chemistry I	3.5	CHEM 102 General Chemistry II	4.5	CHEM 103 General Chemistry III	5	
ENGL 101 Expos Writing and Read	3	ENGL 102 Persuasive Writing & Read	3	ENGL 103 Analytical Writing & Read	3	
MATH 101 or 121	4	MATH 102 or 122	4	MATH 239 or 123	4	
UNIV 101 The Drexel Experience	1	UNIV 101 The Drexel Experience	2	Co-op		
	16		**18**		**16.5**	
Sophomore						
BIO 217 Evolution	4	BIO 218 Principles of Molecular Bio	4	COOP		COOP
BIO 219 Techniques in Molecular Bio	2.5	CHEM 242 Organic Chemistry II	4			
CHEM 241 Organic Chemistry I	4	CHEM 244 Organic Chemistry Lab I	3			
PHYS 152 Introductory Physics I	4	PHYS 153 Introductory Physics II	4			
	14.5		**15**			
Pre-Junior						
BIO 214 Principles of Cell Bio	3	BIO 224 Vertebrates	4	COOP		COOP
CHEM 243 Organic Chemistry III	3	BIO 225 Vertebrate Lab	2			
CHEM 245 Organic Chemistry Lab II	3	*BIO 244 Genetics	3			
PHYS 154 Introductory Physics III	4	PHIL 251 Ethics	3			
Science Tech. Human Affairs Elective	3	Free Elective	3			
	16		**15**			
Junior						
BIO 311 Metabolism	4	BIO/ENVS Elective	3	COOP		COOP
Biology Laboratory Requirement	2	Biology Laboratory Requirement	2			
MATH 410 Scientific Data Analysis I	3	MATH 411 Scientific Data Analysis II	3			
COM 230 Techniques of Speaking	3	COM 310 Technical Writing	3			
Free Elective	3	Free Elective	3			
	15		**14**			
Senior						
BIO 270 Developmental Bio	3	**BIO 421 Biomembranes	3	BIO/ENVS Elective	3	GRADUATION
BIO 404 Struct & Funct of Biomol	4	BIO 472 Seminar in Biological Science	2	BIO 473 Seminar in Biological Science	2	183 credits
BIO 471 Seminar in Biological Science	2	Humanities/Social Science Elective	3	Humanities/Social Science Elective	3	
Humanities/Social Science Elective	3	Free Elective	3	Free Elective	3	
Free Elective	3	Free Elective	3	Free Elective	3	
	15		**14**		**14**	

Courses in Blue are Courses Required for this Concentration
Courses in Red are Electives for this Concentration
*__OR__ BIO 444 Human Genetics may be substituted.
**__OR__ BIO 318 Biology of Cancer, or Bio 415 Proteins may be substituted.

7/8/10