Drexel University
Department of Biology
Undergraduate Curriculum Sequence for the Biological Sciences Major
Organismal Biology/Physiology Concentration
Human Biology Focus Area
4 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 Mol Bio	4	*BIO 214 Principles of Cell Biology	3	BIO 224 Vertebrates	4
BIO 219 Techniques in Molecular Bio	2.5	CHEM 242 Organic Chemistry II	4	CHEM 243 Organic Chemistry III	3	BIO 225 Vertebrates Lab	2
CHEM 241 Organic Chemistry I	4	CHEM 244 Organic Chemistry Lab I	3	CHEM 245 Organic Chemistry Lab II	3	PHIL 251 Ethics	3
PHYS 152 Introductory Physics I	4	PHYS 153 Introductory Physics II	4	PHYS 154 Introductory Physics III	4	Free Elective	3
				Science Tech. Human Affairs Elective	3	Free Elective	3
	14.5		**15**		**16**		**15**
Junior							
BIO 201 Human Phys I	4	BIO 203 Human Phys II	4	COOP		COOP	
Biology Laboratory Requirement	2	**BIO 221 Microbiology	3				
BIO 311 Metabolism	4	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				
	16		**15**				
Senior							
BIO/ENVS Elective	3	BIO/ENVS Elective	3	BIO/ENVS Elective	3	GRADUATION 184 credits	
BIO 471 Seminar in Biological Science	2	BIO 472 Seminar in Biological Science	2	BIO 473 Seminar in Biological Science	2		
Human/Social Science Elective	3	Human/Social Science Elective	3	Human/Social Science Elective	3		
Free Elective	3	Free Elective	3	Free Elective	3		
Free Elective	3	Free Elective	3	Free Elective	3		
	14		**14**		**14**		

Courses in Blue are Courses Required for this Concentration
Courses in Red are Electives for this Concentration
*BIO 214 is recommended, and is required as the CMBG elective if you would like to take BIO 386 Gross Anatomy or BIO 426 Immunology, as it is a prerequisite for these courses. Otherwise, you may take another CMBG elective from the approved electives list.
****OR** Bio 223 Parasitology or Bio 260 Plant Biology I or Bio 322 Mycology or Bio 420 Virology may be substituted.