Drexel University

Department of Biology

Undergraduate Curriculum Sequence for the Biological Sciences Major

Organismal Biology/Physiology Concentration

Human Biology Focus Area

5 CO-OP Sp/Su COOP

EALI			.O-C	CDDING	CLIMATED
FALL		WINTER		SPRING	SUMMER
Freshman BIO 122 Cells & Genetics CHEM 101 General Chemistry I ENGL 101 Expos Writing and Read MATH 101 or 121 UNIV 101 The Drexel Experience	4.5 3.5 3 4 1 16	,	4.5 4.5 3 4 2 18	BIO 126 Physiology & Ecology 4.5 CHEM 103 General Chemistry III 5 ENGL 103 Analytical Writing & Read 3 MATH 239 or 123 4 Co-op 16.5	VACATION
Sophomore	10		10	10.3	
BIO 217 Evolution BIO 219 Techniques in Molecular Bio CHEM 241 Organic Chemistry I PHYS 152 Introductory Physics I	4 2.5 4 4 14.5	BIO 218 Principles of Molecular Bio CHEM 242 Organic Chemistry II CHEM 244 Organic Chemistry Lab I PHYS 153 Introductory Physics II	4 4 3 4 15	СООР	СООР
Pre-Junior					
*BIO 214 Principles of Cell Biology	3	BIO 224 Vertebrates	4		
CHEM 243 Organic Chemistry III	3	BIO 225 Vertebrate Lab	2		
CHEM 245 Organic Chemistry Lab II	3	PHIL 251 Ethics	3	COOP	COOP
PHYS 154 Introductory Physics III	4	Free Elective	3		
Humanities/Social Science Elective	3	Free Elective	3		
7 .	16		15		
Junior BIO 201 Human Phys I Biology Laboratory Requirement BIO 311 Metabolism MATH 410 Scientific Data Analysis I COM 230 Techniques of Speaking	4 2 4 3 3 16	BIO 203 Human Phys II Science Tech. Human Affairs Elective MATH 411 Scientific Data Analysis II COM 310 Technical Writing Free Elective	4 3 3 3 16	СООР	СООР
Senior					
BIO/ENVS Elective	3	**BIO 221 Microbiology	3	BIO/ENVS Elective 3	
BIO 471 Seminar in Biological Science		Biology Laboratory Requirement	2	BIO 473 Seminar in Biological Science 2	GRADUATION
Humanities/Social Science Elective	3	BIO/ENVS Elective	3	Humanities/Social Science Elective 3	184 credits
Free Elective	3	BIO 472 Seminar in Biological Science		Free Elective 3	104 Cleuits
Free Elective	3	Free Elective	3	Free Elective 3	
	14		13	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.