Drexel University
Department of Biology
Undergraduate Curriculum Sequence for the Biological Sciences Major
Organismal Biology/Physiology Concentration
Human Biology Focus Area
4 No CO-OP

FALL	WINTER	SPRING	SUMMER
Freshman BIO 122 Cells & Genetics 4.5 CHEM 101 General Chemistry I 3.5 ENGL 101 Expos Writing and Read 3 MATH 101 or 121 4 UNIV 101 The Drexel Experience 1 **16**	BIO 124 Evolution & Org Diversity 4.5 CHEM 102 General Chemistry II 4.5 ENGL 102 Persuasive Writing & Read 3 MATH 102 or 122 4 UNIV 101 The Drexel Experience 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 **16.5**	VACATION
Sophomore BIO 217 Evolution 4 BIO 219 Techniques in Mol Bio 2.5 CHEM 241 Organic Chemistry I 4 PHYS 152 Introductory Physics I 4 **14.5**	BIO 218 Principles of Mol Bio 4 CHEM 242 Organic Chemistry II 4 CHEM 244 Organic Chemistry Lab I 3 PHYS 153 Introductory Physics II 4 **15**	BIO 224 Vertebrates 4 BIO 225 Vertebrates Lab 2 CHEM 243 Organic Chemistry III 3 CHEM 245 Organic Chemistry Lab II 3 PHYS 154 Introductory Physics III 4 **16**	VACATION
Junior BIO 201 Human Phys I 4 *BIO 214 Principles of Cell Biology 3 MATH 410 Scientific Data Analysis I 3 COM 230 Techniques of Speaking 3 **13**	BIO 203 Human Phys II 4 Biology Laboratory Requirement 2 MATH 411 Scientific Data Analysis II 3 COM 310 Technical Writing 3 Free Elective 3 **15**	BIO 311 Metabolism 4 BIO/ENVS Elective 3 Humanities/Social Sci Elective 3 PHIL 251 Ethics 3 Free Elective 3 **16**	VACATION
Senior BIO/ENVS Elective 3 Science Tech. Human Affairs Elective 3 BIO 471 Seminar in Biological Science 2 Free Elective 3 Free Elective 3 **14**	**BIO 221 Microbiology 3 Biology Laboratory Requirement 2 BIO 472 Seminar in Biological Science 2 Humanities/Social Sci Elective 3 Free Elective 3 Free Elective 3 **16**	BIO/ENVS Elective 3 BIO 473 Seminar in Biological Science 2 Humanities/Social Sci Elective 3 Free Elective 3 Free Elective 3 **14**	GRADUATION 184 credits

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.