Drexel University
Department of Biology
Undergraduate Curriculum Sequence for the Biological Sciences Major
Cell/Mol Bio/Genetics/Biochem Concentration
Biochemistry 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 214 Principles of Cell Bio 3 Biology Laboratory Requirement 2 MATH 410 Scientific Data Analysis I 3 COM 230 Techniques of Speaking 3 Free Elective 3 **14**	*BIO 244 Genetics 3 MATH 411 Scientific Data Analysis II 3 Science Tech. Human Affairs Elective 3 COM 310 Technical Writing 3 Free Elective 3 **15**	BIO 311 Metabolism 4 Biology Laboratory Requirement 2 PHIL 251 Ethics 3 Humanities/Social Sci Elective 3 Free Elective 3 **15**	VACATION
Senior BIO 270 Developmental Bio 3 BIO 404 Struct & Funct of Biomol 4 BIO 471 Seminar in Biological Science 2 Free Elective 3 Free Elective 3 **15**	**BIO 421 Biomembranes 3 BIO/ENVS Elective 3 BIO 472 Seminar in Biological Science 2 Humanities/Social Sci Elective 3 Free Elective 3 **14**	BIO/ENVS Elective 3 BIO 473 Seminar in Biological Science 2 Humanities/Social Sci Elective 3 Free Elective 3 Free Elective 3 **14**	GRADUATION 183 credits

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.