

Thank you for your interest in the University at Buffalo! You are ready to apply via PharmCAS when you plan to have all undergraduate prerequisite courses and the PCAT completed by the end of the summer semester prior to fall matriculation. The following courses satisfy prerequisite expectations for our professional Doctor of Pharmacy [PharmD] degree program:

Pharmacy Prerequisite Courses

John Carroll University Courses

Introductory Biology I with Laboratory	BL 159 Principles of Biology III & BL 160 Principles of Biology Laboratory III
Introductory Biology II with Laboratory	BL 155 Principles of Biology I & BL 157 Principles of Biology Laboratory I
General Chemistry I with Laboratory	CH 141 General Chemistry I & CH 143 General Chemistry Laboratory I
General Chemistry II with Laboratory	CH 142 General Chemistry II & CH 144 General Chemistry Laboratory II
Organic Chemistry I with Laboratory	CH 221 Organic Chemistry I & CH 223 Organic Chemistry Laboratory I
Organic Chemistry II with Laboratory	CH 222 Organic Chemistry II & CH 224 Organic Chemistry Laboratory II
Calculus I	MT 135 Calculus and Analytic Geometry I
Anatomy	BL 230+L & 231+L Hum Ana & Physio I & II or BL 350+L Vertebrate Anatomy
Physiology	BL 230+L & 231+L Hum Ana & Physio I & II or BL 360+L Human Physiology
Microbiology	BL 310 & 310L Microbiology & Laboratory or BL 410 Medical Microbiology
Biochemistry	CH 431 General Biochemistry or CH 435 & CH 436 Biochemistry I & II
Statistics	MT 122 Elementary Statistics or MT 228 Statistics for the Biological Sciences
English Composition I	EN 103 Basic Comp or EN 111 Comp & Rhetoric I or EN 125 Academic Writing
English Composition II	EN 112 Composition & Rhetoric II or EN 114 Advanced Freshman Composition I
Social Behavioral Science	Any course offered in CO, EC, PS, or SC