

**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 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**

Introductory Biology I with Laboratory  
 Introductory Biology II with Laboratory  
 General Chemistry I with Laboratory  
 General Chemistry II with Laboratory  
 Organic Chemistry I with Laboratory  
 Organic Chemistry II with Laboratory  
 Calculus I  
 Anatomy  
 Physiology  
 Microbiology  
 Biochemistry  
 Statistics  
 English Composition I  
 English Composition II  
 Social Behavioral Science

**John Jay College Courses**

BIO 103 Modern Biology I or [BIO 101+BIO 102 Paced Modern Biology IA & IB]  
 BIO 104 Modern Biology II  
 CHE 103 General Chemistry I or [CHE 101+CHE 102 Paced Gen Chem IA & IB]  
 CHE 104 General Chemistry II  
 CHE 201 Organic Chemistry I  
 CHE 202 Organic Chemistry II  
 MAT 241 Calculus I  
*Comparable course not offered at John Jay College*  
 BIO 355 Human Physiology  
 BIO 211 Microbiology  
 CHE 315 Biochemistry  
 STA 250 Principles & Methods of Stats or MAT 301 Probability & Math Stats  
 ENG 101 Composition I  
 ENG 201 Composition II  
 Any course offered in ANT, PSY, SOC, or SPE