



**Starting Fall 2012**, the University of Missouri-Kansas City [UMKC] Doctor of Pharmacy (Pharm.D.) will become a 2-4 program (2 years of pre-pharmacy coursework followed by a 4 year Pharm.D. curriculum). All pre-requisites below must be completed before Fall semester of entry with a grade of C or better. NOTE: Competitive cumulative college grade point average is a 3.6.

## UMKC Doctor of Pharmacy Pre-requisites

<u>UMKC</u>	<u>UMKC Hours</u>	<u>Missouri State University Equivalent</u>
English Composition 110	3	ENG 110
English Composition 225	3	ENG 210 or 221
Communication Studies 110 (Speech)	3	COM 115
Constitution Requirement (met by US Hist 101, 102 or Pol Sci 210)	3	HST 121 or 122 or PLS 101 or 169
Calculus w/ Analytical Geometry 210	4	MTH 261 or 287
Physics w/ lab 210/210L	4	PHY 123 or 203
General Chemistry I w/ lab 211/211L	5	CHM 160 & 161
General Chemistry II w/ lab 212/212L	5	CHM 170 & 171 or 175 lab
General Biology 108 (Botany)	3	BIO 121 or *BMS 231
General Biology 109 (Zoology)	3	BIO 122 or BMS 110

**The courses below** must be taken no later than five years prior to the Fall start of the Pharm.D. program.

Organic Chemistry I w/ lab 321/321L	4	CHM 342
Organic Chemistry II w/lab 322/322L	4	CHM 343
Cell Biology 202	3	BIO 320 or BMS 521
Microbiology w/ lab 121/121L	4	BIO 310
Human Anatomy w/ lab 118/118L	5	BMS 307
Medical Terminology 125	1	LLT 102

Recommended but not required for entry:

Human Biochemistry 365 & 366	3 & 3	CHM 452 & 552
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*Missouri State students should meet with an academic advisor in their major department each semester.* Questions regarding course equivalencies for this school, or for other schools not listed online, can be sent via e-mail. Please indicate the specific courses in question, and a link to the course catalog of that school. Applications will be through [www.PharmCAS.org](http://www.PharmCAS.org) during the Fall semester.

\*NOTE: BMS 231 does not meet UMKC's equivalent of Biol 108; however, BMS 231 meets one of the pre-requisite requirements for BMS 521 and will count as the second general biology requirement for the Pharm.D. program.

School of Pharmacy Student Services Office

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