

# Pre-Pharmacy

The State of Kansas is fortunate to have a School of Pharmacy headquartered at the **University of Kansas (KU)** on the Lawrence campus. Additional programs exist in the surrounding states. The curriculum outlined below meets the minimum admissions requirements for many schools, but the information presented here is a general guideline. The ultimate authority on pre-requisites is the professional school. You are strongly encouraged to review the pharmacy schools' websites, and contact each school's representative. Completion of these pre-pharmacy requirements conveys no degree.

Admission to pharmacy school is highly competitive with several components required for successful application. Although not required for admissions to some schools, the completion of a BS or BA degree is encouraged by many. The following can be readily completed in five semesters.

## English:

ENGL 100	Expository Writing I	3
ENGL 200	Expository Writing II	3
COMM 106	Public Speaking	3

## Biology:

BIOL 198	Principles of Biology	4
BIOL 340	Human Body	8
BIOL 450*	Modern Genetics	4
BIOL 455	Microbiology	4
BIOL 541*	Cell Biology	3

## Humanities and Social Sciences\*\* (or KU Core Curriculum Requirements):

1. CLSCS 105	Medical Terms	1
2. PHILO 365	Medical Ethics	3
3.	_____	
4.	_____	
5.	_____	
6.	_____	
7.	_____	

\*\* i.e.: *PSYCH 110, MUSIC 250, HIST 252, GEOG 100, SOCIO 211, ANTH 200, AMETH160, FSHS 110, POLSCI 110, ECON 110/120*

## Math/Physics:

PHYS 113	General Physics I	3
<small>(KU: Not required if students complete 1 year of high schools physics with a grade of B or higher)</small>		
MATH 150*	Plane Trigonometry	3
MATH 220	Analytical Geo/Calc	3
STAT 325	Statistics	3

## Chemistry:

CHM 210	Chemistry I	4
CHM 230	Chemistry II	4
CHM 531	Organic Chemistry I	3
CHM 532	Organic Chemistry Lab	2
CHM 550	Organic Chemistry II	3
CHM 551	Advanced Organic Lab	2
BIOCH 521/265*	General Biochemistry	3

## Professional Shadowing:

- Required to be competitive applicant to demonstrate investigation and exploration of the profession.
- Recommended at more than one professional venue, approximately 100-200 hours each.
- Some venues may include: small-town pharmacist, corporate pharmacist, hospital pharmacist, veterinary medicine pharmacist.

~Paid employment in the field counts as well.

~Keeping journal of experiences is recommended.

\* PCAT prep

**Pharmacy College Admissions Test (PCAT):**

This exam is required of all pharmacy school applicants. It is a specialized test that helps identify qualified applicants and is a measure of general academic ability and scientific knowledge necessary to achieve a pharmaceutical education. It is administered in a computer based format. For the annual testing cycle, standard administration of the PCAT will occur on one or more dates in July, September, and January. Registration for testing may take up to 60 days.

**Useful Websites:**

University of Kansas, School of Pharmacy: [www.pharm.ku.edu](http://www.pharm.ku.edu)

American Association of Colleges of Pharmacy: [www.aacp.org](http://www.aacp.org)

PCAT: [www.pcatweb.info](http://www.pcatweb.info)

PharmCAS (application service): [www.pharmacas.org](http://www.pharmacas.org)

General Information: [www.aacp.org/site/tertiary.asp](http://www.aacp.org/site/tertiary.asp)

**K-State Advisor Contact:**

Sherryl J. Allen  
Health Professions Advisor  
Office of the Dean  
College of Arts and Sciences  
113 Eisenhower Hall  
(785) 532-6900  
sherryl@ksu.edu