

# Pharm.D. Program

## Pre-pharmacy curriculum

Courses include general and organic chemistry, molecular & cellular biology, microbiology, physiology, anatomy, statistics and calculus. The curriculum is designed to introduce a wide variety of topics and cultures and strengthen critical thinking and communication skills. The pre-pharmacy curriculum takes about two years to complete.

## Professional curriculum

The Pharm.D. curriculum combines science and clinical knowledge with professional skills to prepare students to solve patient problems. Students study medicinal chemistry, pharmaceutical chemistry, pharmacology and toxicology, pharmacotherapy, law, ethics, drug information and management. The skills lab prepares students to counsel patients, give immunizations, compound drugs and operate a wide variety of medical devices.

## PCAT (not required)

The Pharmacy College Admission Test (PCAT) is a standardized exam for prospective pharmacy school students. The PCAT consists of six sections, including writing, biology, chemistry, critical reading and quantitative reasoning.

## Questions?

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The KU School of Pharmacy is home to one of the nation's top-ranked Doctor of Pharmacy (Pharm.D) programs. Our graduates are pharmacy practitioners who work in a wide variety of settings, including retail, hospitals, academia, government, industry, managed care and more. The six-year course of study includes two years of pre-pharmacy coursework, three years of full-time classroom and laboratory work and a final year of clinical rotations.



The KU School of Pharmacy hosts an annual Summer Camp for high school students and incoming college freshmen. Visit the KU School of Pharmacy website to learn more.

## Admission requirements

- Earn a pre-pharmacy GPA of 2.5 or higher (Required coursework on next page)
- All pre-pharmacy grades must be C or higher
- Complete the PharmCAS application (pharmcas.org)
- Submit official transcript from each college you've attended
- Submit three recommendations
- Apply to KU (apply.ku.edu)

## Application timeline

- Standard PharmCAS application period: August 1 - June 1
- Applicant interviews: Throughout application period
- Admissions decisions: On a rolling basis



# Pre-pharmacy worksheet

## Pharm.D. Prerequisites

### Quantitative

_____ Calculus	MATH 115
_____ Statistics (Choose one)	MATH 365 BIOL 570 DSCI 202 PSYC 210
_____ Physics	PHSX 114

### Biology

_____ Molecular & Cellular	BIOL 150
_____ Human Anatomy	BIOL 240
_____ Microbiology	BIOL 400/402
_____ Mammalian Physiology	BIOL 546/547

### Chemistry

_____ General Chemistry I	CHEM 130
_____ General Chemistry II	CHEM 135
_____ Organic Chemistry I	CHEM 330/331
_____ Organic Chemistry II	CHEM 335/336

### General Education (required pre-pharmacy)

_____ English Composition 1	ENGL 101
_____ English Composition 2	ENGL 102
_____ Oral Communication (Choose one)	COMS 130/131 COMS 132/133 JOUR 150 PHIL 150 THR 120
_____ Humanity	any GE3H
_____ Social Science	any GE3S
_____ Diversity in the U.S.	any AE41
_____ Global Perspective	any AE42

**67 credit hours**

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## KU code

## General Education: the KU Core

**\*Goals 1-4 are required pre-pharmacy**, while goals 5 and 6 are typically completed in pharmacy school.

### Goal

### KU Code

#### 1. Critical Thinking & Quantitative Literacy\*

_____ Critical Thinking	GE11
_____ Quantitative Literacy	GE12

#### 2. Written & Oral Communication\*

_____ English Composition 1	GE21
_____ English Composition 2	GE21
_____ Oral Communication	GE22

#### 3. Breadth of Knowledge\*

_____ Natural Science	GE3N
_____ Humanity	GE3H
_____ Social Science	GE3S

#### 4. Culture & Diversity\*

_____ Diversity in the U.S.	AE41
_____ Global Perspective	AE42

#### 5. Social Responsibility & Ethics

Met by P1 Summer Community Pharmacy Rotation	AE52
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#### 6. Integration & Creativity (Capstone)

Met by P2 Objective Structured Clinical Exam	AE61
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### Transfer credit, AP credit, earned degrees, etc.

Pre-pharmacy requirements may be met by transfer, community college, or AP credit. Equivalency is required, and the transfer grade must be a C or higher. An associate of arts degree from a Kansas institution meets KU Core goals 1-3.

An earned bachelor's degree meets goals 1-6.