

# PRE-MEDICINE

## PRE-PROFESSIONAL ADVISING CENTER



### PRE-MEDICINE ADVISING



Pre-Medicine students have at least two academic advisors- an academic major advisor and a pre-med advisor.

Your major advisor will help you understand what is needed to complete the requirements of your major (bachelor's degree).

Your pre-med advisor will help you understand what is needed to become a competitive applicant to medical schools.

## Information on Majors

Students interested in a career in medicine will select one of the 250+ majors offered at K-State and declare their pre-medicine designation.



While a particular major is not required for application to medical programs, at K-State, the most common majors are:

- **Biochemistry, Biology, Biomedical Engineering, Chemistry, Integrative Physiology, Kinesiology, Life Sciences, Nutritional Sciences, Psychology**

### COMMON PREREQUISITE COURSES

### HOURS

BIOL 198	PRINCIPLES OF BIOLOGY	4
BIOL 441	HUMAN BODY I	4
BIOL 442	HUMAN BODY II	4
	OR	
KIN 360	ANATOMY & PHYSIOLOGY	8
BIOL 255	GENERAL MICROBIOLOGY	4
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
BIOCH 521	GENERAL BIOCHEMISTRY	3
PHYS 113	GENERAL PHYSICS I	4
PHYS 114	GENERAL PHYSICS II	4
PSYCH 110	GENERAL PSYCHOLOGY	3
SOCIO 211	INTRODUCTION TO SOCIOLOGY	3

- All of the prerequisite courses are recommended to be completed prior to taking the MCAT
- Requirements at individual medical schools vary, visit with your health professions advisor for details
- We highly recommend that all pre-requisite courses be taken for a grade
- Some schools require pre-requisite courses to be completed at the undergraduate level
- For information about honors courses please visit: <https://www.k-state.edu/ksuhonors/courses/>

### COMMON MED SCHOOLS K-STATE STUDENTS APPLY TO

University of Kansas (MD)  
Kansas College of Osteopathic Medicine (DO)  
University of Missouri-Kansas City (MD)  
Kansas City University (DO)  
University of Missouri (MD)  
A.T. Still University (DO)  
University of Nebraska (MD)  
Oklahoma State University (DO)



SOURCE: KSU COLLEGE-TO-CAREER STATISTICS

## ADVICE FOR PRE-MED STUDENTS

- Take the highest-level courses available to you, particularly in math and science
- Study to learn, not to memorize; work to develop critical thinking skills and effective study habits
- Learn about your desired health career through shadowing, seeking out a job that is relevant to your desired pre-health profession, or researching the profession thoroughly online
- Volunteering and serving your community is highly recommended
- Broaden your knowledge to develop an appreciation for different ways of thinking and living through reading or interacting with those who have different backgrounds, socioeconomic status or lifestyles

## STUDENT INVOLVEMENT

Pre-Medicine Club provides an opportunity to meet other pre-med students and become involved both professionally and socially.

Pre-Health Student Ambassadors promote pride in and develop awareness of options within pre-health among prospective students, parents, alumni and the general public.

Alpha Epsilon Delta is the National Health Preprofessional Honor Society.

Clubs and organizations based on your interests and hobbies are also encouraged.

Undergraduate Research, University Honors Program, Volunteer, Community Service, Leadership Opportunities, Education Abroad, Service Learning, PT Jobs/internships in a Healthcare setting

## RELEVANT INFORMATION

Students must earn a bachelor's degree, complete the courses required by the medical schools to which they plan to apply, and score competitively on the Medical College Admission Test (MCAT).

Students pursuing a medical degree will decide which schools to apply to based on if they want to earn an MD (allopathic approach) degree or a DO (osteopathic approach) degree.

Most medical school programs take 4 years to complete. Additional years will be required for residency and specialization.

Students should know what the pre-requirements are for any of the programs for which they hope to apply.



Scan QR Code above to visit K-State's  
Pre-Professional Advising Website



Scan QR Code above to get more  
information about the MCAT exam