

PRE-MEDICINE

COLLEGE OF HEALTH AND HUMAN SCIENCES

PRE-HEALTH AT K-STATE

At K-State, we do not have “pre-health” majors. Students interested in a health career will select one of the 250 majors offered at K-State and then declare their pre-health designation. As a pre-health student, you are paired with both an academic advisor, who makes sure you are completing classes to earn your degree, and a dedicated health professions advisor, who makes sure you are meeting the requirements of your professional school as well as helping you through the application process.

One of the great things about K-State not having a “pre-health” major is that students are able to select a major that is of both interest to them but will also provide them a great educational base to build on once they enter their professional school. While medical schools have no preferred major required for admission, there are majors whose coursework aligns best to fulfill the prerequisites required for admission to medical school.

Common majors: nutritional sciences, integrative physiology, kinesiology



**Personalized health
career advising**



**Hands-on career
preparation**



**Dedicated student
organizations**



**Above average
placement**

PRE-HEALTH ADVISING

Pre-Health students have at least two advisors, an academic advisor; sometimes called a major advisor, and a pre-professional advisor; sometimes called a health professions advisor.

Major advisors help students understand what they must do to complete the requirements of their major (degree). Health professions advisors help students understand what they must do to become competitive applicants to health professional schools and programs.

WHERE DO OUR STUDENTS GO?

UNIVERSITY OF KANSAS
AT STILL UNIVERSITY
DES MOINES UNIVERSITY
EDWARD VIA COLLEGE
JACOBS SCHOOL OF MEDICINE
KANSAS CITY UNIVERSITY

START YOUR APPLICATION PROCESS NOW

Pre-Health students begin their application to professional school the first day they step onto their college campus. Becoming a competitive applicant to any health professional school is a process that builds over time. Here are some ways to get a head start while in high school:

1. Take the highest-level courses available to you, particularly in math and science.
2. Study to learn, not to memorize; work to develop critical thinking skills and effective study habits.
3. Learn about your desired health care career through shadowing, serving as a CNA or researching the profession thoroughly online.
4. Volunteer and serve your community to show your interest in helping others.
5. Broaden your knowledge base to develop an appreciation for different ways of thinking and living through reading or interacting with those who have a different background, socioeconomic status or lifestyle.



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PREPARING FOR MEDICAL SCHOOL

- Students must earn a bachelor's degree prior to admission to medical school.
- There is no preferred major for pre-medicine students.
- In addition to earning a bachelor's degree, students must 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.
- Competitive applicants shadow practicing physicians, engage in community service and leadership activities, and are familiar with current health care issues.
- Requirements at individual medical schools vary.

PREREQUISITE COURSES

<u>COURSE</u>		<u>HOURS</u>
BIOL 199	Principles of Biology	4
BIOL 455	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
PHYS 113	General Physics I	4
PHYS 114	General Physics II	4
MATH 220	Calculus I	4

COURSES NEEDED FOR THE MCAT

<u>COURSE</u>		<u>HOURS</u>
BIOCH 521	General Biochemistry	3
BIOL 450	Modern Genetics	4
BIOL 441	Human Body I	4
BIOL 442	Human Body II	4
OR		
KIN 360	Anatomy and Physiology	8
PSYCH 110	General Psychology	3
SOCIO 211	Introduction to Sociology	3
STATS 325	Introduction to Statistics	3

AVAILABLE SPECIAL INTEREST COURSES

Intro to Medical Anthropology	Medical Ethics
Public Health Biology	Psychobiology
Practicum- Cadaver Team	Health Psychology
Cell Biology	Lifespan Personality Development
Evolution	Social Welfare as a Social Institution
Immunology	Wealth, Power & Privilege
Medical Terminology: Latin and Greek for Scientists	Dynamics of Working with Older Adults
Intercultural Communication	Drama Therapy with Special Populations
Economics of Healthcare	
Manual Communication	
Human Nutrition	
Admin. Health Care Organization	
Introduction to Gerontology	