

PRE-OPTOMETRY

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 optometry schools have no preferred major required for admission, there are majors whose coursework aligns best to fulfill the prerequisites required for admission to optometry school.

Common majors: nutritional sciences, kinesiology, integrative physiology



**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?

SOUTHERN COLLEGE OF OPTOMETRY
UNIVERSITY OF MISSOURI- ST. LOUIS
NORTHEASTERN STATE UNIVERSITY-
OKLAHOMA COLLEGE OF OPTOMETRY

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 OPTOMETRY SCHOOL

- Students must earn a bachelor's degree prior to admission to optometry school.
- There is no preferred major.
- In addition to earning a bachelor's degree, students must complete the courses required by the optometry schools to which they plan to apply and score competitively on the Optometry Admission Test (OAT).
- Requirements at individual optometry schools vary.
- There is no optometry school in Kansas. However, the state of Kansas has agreements with the Missouri College of Optometry, Southern College of Optometry and the School of Optometry at Northeastern State University through which Kansas students may receive reduced tuition.
- Students who complete optometry school will receive a Doctor of Optometry degree.

PREREQUISITE COURSES

<u>COURSE</u>		<u>HOURS</u>
BIOL 198	Principles of Biology	4
BIOL 201	Organismic Biology	5
BIOL 441	Human Body I	4
BIOL 442	Human Body II	4
OR		
KIN 360	Anatomy & Physiology	8
BIOL 455	General Microbiology	4
CHM 210	Chemistry I	4
CHM 230	Chemistry II	4
CHM 350	General Organic Chemistry	3
CHM 351	General Organic Chemistry Lab	2
BIOCH 521	Biochemistry	3
ENGL 100	Expository Writing I	3
ENGL 200	Expository Writing II	3
MATH 100	College Algebra	3
MATH 150	Trigonometry	3
MATH 220	Calculus	4
STAT 325	Intro to Statistics	3
OR		
STAT 340	Biometrics I	3
PHYS 113	Physics I	4
PHYS 114	Physics II	4
PSYCH 110	General Psychology	3

AVAILABLE SPECIAL INTEREST COURSES

Accounting for Business	Gender, Women and Sexuality
American Ethnic Studies	Death & Dying in History
Intro to Medical Anthropology	Social History of Medicine
Ceramics	Medical Ethics
Jewelry Design	Psychobiology
Public Health Biology	Abnormal Psychology
Modern Genetics	Health Psychology
Cell Biology	Sociology
Medical Terminology: Latin & Greek for Scientists	Wealth, Power & Privilege
Intercultural Communication	Dynamics Working With Older Adults
Economics of Health Care	Spanish I or II
Manual Communication	Drama Therapy with Special Populations
Human Nutrition	Gerontology
Administration of Health Care Organizations	