

# PRE-MED ADVISING

At the University of Kentucky (UK), pre-professional programs are interest areas that students complete alongside their UK Core requirements and major curriculum. Students may pursue any major as long as pre-med prerequisite coursework is completed.

The College of Agriculture, Food and Environment offers support and guidance to students throughout the college interested in applying to medical school. In addition to outlining necessary coursework and guiding students through application processes, the college's pre-professional advisor also directs students to University programs, such as UK Education Abroad or the Center for Community Outreach, that foster well-rounded medical school applicants.

## MEET WITH AN ADVISOR

Pre-med students should meet with a pre-professional advisor at least twice during their freshman/sophomore years and at least three times during their junior/senior years. Visit [www.uky.edu/grow](http://www.uky.edu/grow) and click "Advising Resources" for instructions on setting up an appointment with the college's pre-professional advisor.

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## MCAT

The Medical College Admission Test (MCAT) is a standardized, multiple-choice examination designed to assess problem solving, critical thinking, and knowledge of science concepts and principle prerequisites to the study of medicine. Pre-med courses in biology, general chemistry, organic chemistry, social science, and physics should be taken prior to taking the MCAT.

## CONNECT

Join the pre-med listserv to receive information about upcoming events, club meetings, and tips and strategies for preparing for medical school. To subscribe, send an email message to [listserv@lsv.uky.edu](mailto:listserv@lsv.uky.edu) and type "SUBSCRIBE PRE-MED-L" in the body of the message.



## PREPARE

The following is a general outline of medical school requirements (not including UK Core or major requirements):

### First Year

- CHE 105 General Chemistry I / CHE 111 General Chemistry Lab I
- CHE 107 General Chemistry II / CHE 113 General Chemistry Lab II
- BIO 148 Principles of Biology I / BIO 155 Principles of Biology Lab I
- BIO 152 Principles of Biology II (taken 1<sup>st</sup> or 2<sup>nd</sup> year)
- Mathematics as needed for major  
Suggested: MA 123, MA 137, or MA 113
- UK Core Composition & Communication I & II

### Second Year

- CHE 230 Organic Chemistry I / CHE 231 Lab I
- CHE 232 Organic Chemistry II / CHE 233 Lab II
- Upper division BIO class with lab

### Third Year

- PHY 211 General Physics I
- PHY 213 General Physics II  
or
- PHY 231 General University Physics / PHY 241 General University Physics Lab I
- PHY 232 General University Physics II / PHY 242 General University Physics Lab II

Pre-med students are also strongly encouraged to complete coursework in cell biology, biochemistry, statistics, psychology, and sociology. Some medical schools have additional requirements beyond the courses listed above. These may include genetics, immunobiology, microbiology, histology, and cell biology. Students should reference the Official Guide to Medical School Admission Requirements (MSAR) and specific medical school admission requirements for more information.

Visit [go.uky.edu/courses](http://go.uky.edu/courses) to see full descriptions of these University of Kentucky courses.

## WHY OUR COLLEGE ?

In addition to pre-professional advising services, students in the College of Agriculture, Food and Environment connect with a variety of passionate faculty, staff, alumni and community organizations dedicated to meaningful, enriching experiences. These connections help students discover real-world applications to their studies and become well-rounded, competitive applicants for medical school.

While completing medical school requirements, past pre-med students have been successful in majors such as Human Nutrition, Food Science, Animal Sciences, and Agricultural and Medical Biotechnology.