

# Pre-Medicine



Physicians or medical doctors diagnose medical problems and provide treatments to improve the health of their patients. They also advise their patients on good health practices such as diet, exercise and preventive health care. There are two types of physicians: Doctor of Medicine (MD) and Doctor of Osteopathic Medicine (DO). MDs are called allopathic physicians. DOs are called osteopathic physicians. Doctors of Osteopathy practice a “whole person” approach to medicine. Osteopathic medicine emphasizes the relationship between the body’s nerves, bones, muscles and organs, focusing special attention of the musculoskeletal system. Both types of physicians can use all methods of treatment, perform surgery and prescribe medications.

There are two paths students may take to become a physician. The conventional path is to go to medical. The second is osteopathic school. Most students in Kentucky attend medical school in state due to the extreme difficulty of being accepted to a medical school outside of a student’s state of official residence. Most applicants have bachelors degree with an undergraduate major in premedical studies. This major is not mandatory as long as the applicant has the required background courses.

The Medical College Admissions Test (MCAT) is also required for admission to medical school. Pre-med students should take the Medical College Admissions Test (MCAT) in the Spring of their junior year and no later than the Fall of their senior year. As many of the minimum course requirements as possible should be completed prior to taking the test.

Basic training of a physician requires four years of premedical education in a college or university and four years medical school. After receiving the M.D. or D.O. degree, at least three years of specialty training (called a residency) under supervision is completed. The first two years of medical school focus on studies of the basic sciences in the classroom and laboratories. The third and fourth years emphasize clinical work, with much of the teaching in hospitals, medical centers and doctors’ offices. Students rotate through hospital departments including family practice, internal medicine and surgery. Many physicians receive additional training in the numerous specialty areas.

Physicians must take a licensing exam recognized by the Kentucky Board of Medical Licensure. The exam includes both basic and clinical material. In addition to the basic license examination, there are written and oral exams for those who wish to be certified in a specialty. There are 43 specialties recognized by the Kentucky Board of Medical Licensure.

The pre-medicine program at Campbellsville University is designed to provide students with an academic background that

will enable them to succeed in medical school. Entrance into medical school is highly competitive. Successful applicants generally have a 3.75 grade point average and 10’s and up for each MCAT subscale. Both the University of Louisville and the University of Kentucky offer early decision admission.

## *University of Louisville Requirements*

The MCAT and *at least 90 semester hours* of college credit including:

2 semesters of biology/lab	BIO 201,202
2 semesters of general chemistry	CHE 111,113;112,114
2 semesters of organic chemistry	CHE 341,343; 342,344
2 semesters of English	ENG 111,112
2 semesters of mathematics	MTH 111,112
<i>or</i> 1 semester of calculus (recommended)	MTH 210
2 semesters of physics/lab	PHY 141,143 142,144

## *University of Kentucky Requirements*

The MCAT and *at least 90 semester hours* of college credit including:

2 semesters of biology/lab	BIO 201,202
2 semesters of general chemistry	CHE 111,113;112,114
2 semesters of organic chemistry	CHE 341,343; 342,344
2 semesters of English	ENG 111,112
(emphasis on communications skills)	
2 semesters of mathematics	MTH 111,112
2 semesters of physics/lab	PHY 141,143; 142,144

### *Admission Criteria*

Science GPA	20%
Non-Science GPA	20%
MCAT Score	20%
Service	10%
Pre-med evaluation	10%
Interpersonal accomplishment	10%
Special Characteristics (under-served county)	10%

***Pikeville College School of Osteopathic Medicine  
Requirements***

To be considered for admission, applicants typically have a bachelor's degree with undergraduate studies that include English, biological sciences, general chemistry, organic chemistry and physics. In addition, courses in genetics, mathematics and psychology are required. Applicants must also take the Medical College Admissions Test (MCAT). Applicants should be volunteer work or spend time with a D.O. before considering this career field. The minimum requirements for admission are:

—A baccalaureate degree or completion of at least 90 semester hours for a baccalaureate degree

English Composition & Literature	6 hrs
General Chemistry	8 hrs
Organic Chemistry (4 hrs can be biochemistry)	8 hrs
Physics	8 hrs
Biological Sciences	12 hrs

**FOR ADDITIONAL INFORMATION  
CONTACT:**

***University of Kentucky***

UK College of Medicine  
Office of Admissions  
800 Rose Street  
MN102 UK Medical Center  
Lexington, KY 40536-0298  
Phone: (859) 323-6161  
Web site: <http://www.mc.uky.edu/medicine>

***University of Louisville***

School of Medicine  
Health Sciences Center  
The University of Louisville  
Louisville, KY 40292  
Web site: <http://www.louisville.edu/medschool>

***Pikeville College School of Osteopathic Medicine***

PCSOM  
Office of Admissions  
147 Sycamore Street  
Pikeville, KY 41501  
Phone: (606) 432-9617  
Fax: (606) 432-9669  
Email: [spayson@pc.edu](mailto:spayson@pc.edu)  
Web site: <http://pcsom.pc.edu>

***APPLICATION DEADLINES***

***University of Kentucky***

Early Decision                      June 1-August 1  
Secondary Materials              Sept. 15  
Regular Admission    June 1 - November 1  
Secondary Materials due prior to  
interview; no later than January 15

***University of Louisville***

The University of Louisville participates in the American Medical College Application Service (AMCAS). Application materials can be requested directly from AMCAS between June 1 and November 1. To obtain these materials contact:

American Medical College Application Service  
Association of American Medical Colleges  
2501 M Street, NW Lobby-26  
Washington, DC 20037-1300  
(202) 828-0600  
AMCAS web site: <http://www.aamc.org>

Upon receipt of the application from AMCAS, the Admissions Office will send secondary applications materials to qualified applicants. Completed secondary applications are due in the Admissions Office by January 12 of the year in which admission is sought. A non-refundable processing fee of \$75 is charged.

***Pikeville College School of  
Osteopathic Medicine***

The admission process at PCSOM is initiated by completing the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS) Online Application. The online application is available at the following web site: <http://www.aacom.org> The Web-based application allows a the prospective student to apply to PCSOM through a secure web server. To receive a paper application, applicants need to contact AACOMAS at:

AACOMAS  
Application Services  
5550 Friendship Blvd. —Suite 310  
Chevy Chase, MD 20815-7231  
Phone: (301) 968-4190

**Division of Natural Science**

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