



# PRE-PHARMACY

Department of Chemistry  
College of Arts & Sciences  
Eastern Kentucky University

## Pre-Pharmacy at EKU

The pre-pharmacy program at EKU, a two-year non-degree program, is designed to prepare students for careers in the field of pharmacy. Students must complete a 70-plus hour curriculum and then they may apply to a pharmacy school of their choice. The curriculum is flexible enough to meet the pre-pharmacy requirements of most pharmacy schools. The pre-pharmacy program is science orientated with courses selected from mathematics, biology, chemistry, physics, and statistics.

## Careers in Pharmacy

The health care system in the United States is a trillion-dollar industry with total drug costs well exceeding 100 billion dollars. The professional pharmacist is a vital component of the health care and drug delivery system. National surveys consistently have shown that the pharmacy profession is among the most respected of professions. There are many varied career options available to today's pharmacist. Pharmacists are most visible to the public at local, private, and chain businesses and hospitals. However, pharmacy careers extend into all levels of the private sector and are found at local, state, and federal agencies. Career options range from administrative positions, to research & development, marketing, consulting, technical & scientific areas, drug manufacture, academic positions, and drug regulation. Pharmacy can, thus, be a rewarding career both professionally and financially.

## Degree Programs

The Department of Chemistry offers a wide array of programs in chemically related fields. The Bachelor of Science in chemistry and its biochemistry option, which are certified by the American Chemical Society, prepare students for advanced training in chemistry, molecular biology, and medicine. The Bachelor of Arts in chemistry prepares students for well-paid industrial jobs, has a high-school teaching option and can be augmented with appropriate courses for pre-optometry, pre-dental, and pre-veterinary studies. The Bachelor of Science in Forensics Science has chemistry and biology options for students seeking careers federal, state and local crime labs. The Pre-Pharmacy Program can culminate in a four-year degree based on the B.A. in chemistry although some students win acceptance after the second, or more commonly, the third year of the program.

## For More Information

Office of Admissions  
SSB CPO 54  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475-3102  
[www.admissions.eku.edu](http://www.admissions.eku.edu)  
800-465-9191  
859-622-2106

Department of Chemistry  
Moore 337  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475-3102  
[www.chemistry.eku.edu](http://www.chemistry.eku.edu)  
859-622-1456

## Eastern Kentucky University

As you consider where you'll pursue your studies, Eastern Kentucky University encourages you to ask yourself, "What do I want to do with my life?" and "Who can help me reach that destination?"

Before we tell you about EKU, let's focus on your needs. What are you looking for in a college or university?

- Renowned, accessible professors; low student/faculty ratio
- State-of-the-art facilities
- Extensive curriculum
- Wide network of campus organizations
- Affordable cost
- Inviting campus

Achieving your goals depends on the quality of the faculty and curriculum at the school you choose to attend. Every college and university touts facilities, but few can match the accolades of our faculty. At EKU you'll reach beyond the borders of classroom discussion to hands-on experience and networking opportunities with experts in the field.

EKU graduates are world leaders in areas as diverse as international business and homeland security; local, state and national government; as well as drama and law. Campus facilities, such as the Studio for Academic Creativity, which is designed to enhance research, writing, and presentation skills, and our new state-of-the-art science building, ensure our students of exposure to technologies vital to real world success.

**We hope you'll see that from our view there are no limitations, just possibilities.**

- A comprehensive, public university serving more than 16,000 students
- Undergraduate and graduate excellence through 168 associate, baccalaureate, master's, specialist and cooperative doctoral programs
- Quality and diversity in faculty and staff
- Student/professor ratio of 17:1
- 66-acre main campus in Richmond, regional campuses in Corbin, Danville, Lancaster and Manchester, and higher education centers throughout the Commonwealth



**[WWW.EKU.EDU](http://WWW.EKU.EDU)**

## Pre-Pharmacy (Two Years)

Students who plan to enter the field of pharmacy may take two years of pre-pharmacy and transfer these credits to a pharmacy school. The courses listed below will meet the requirements of most pharmacy schools. Students wishing to enter the curriculum should determine the admission requirements of the pharmacy school of their choice and after consulting their pre-pharmacy advisor, determine which courses to take.

**Major Requirements ..... 27 hours**

BIO 141, 171, 320, CHE 111, 112, 111L, 112L, 361, 362, 361L, 362L.

**Supporting Course Requirements ..... 17 hours**

ECO 230, MAT 124\*, PHY 131, 132.

**General Education Requirements ..... 27 hours**

Six hours of English composition; 21 hours towards the general education requirements at the chosen pharmacy school.

**University Requirements ..... 1 hour**

ASO 100

**Total Curriculum Requirements ..... 72 hours**

\*A preparatory course (MAT 109) may be required before admission to MAT 124.

### CHEMISTRY COURSES

CHE 111	General Chemistry I
CHE 112	General Chemistry II
CHE 111L	General Chemistry Lab I
CHE 112L	General Chemistry Lab II
CHE 361	Organic Chemistry I
CHE 362	Organic Chemistry II
CHE 361L	Organic Chemistry Lab I
CHE 362L	Organic Chemistry Lab II

### OTHER COURSES

BIO 141	General Zoology
BIO 171	Human Anatomy
BIO 320	Principles of Microbiology
ECO 230	Principles of Microeconomics
MAT 109	Precalculus Mathematics
MAT 124	Calculus I
PHY 131	College Physics I
PHY 132	College Physics II