

Gateway to



Learning - Discovery - Community

PRE-OPTOMETRY

DEPARTMENT OF CHEMISTRY
COLLEGE OF ARTS & SCIENCES
EASTERN KENTUCKY UNIVERSITY

Pre-Optometry at EKU

Students who plan to apply for admission to an optometry school must complete a minimum of three years of pre-optometry courses. Most schools require the student to earn a baccalaureate degree before applying. Optometry schools also require competitive scores on the Optometry Aptitude Test (OAT) and prefer applicants who have some experience in the field. The application deadline for optometry schools is usually in the fall. Four years of work is required in most optometry schools for the Doctor of Optometry (O.D.).

Requirements for admission to optometry schools vary. Students wishing to enter a pre-optometry program should obtain pre-requisite information from the optometry school of their choice, and then consult with their pre-optometry advisor and with the pre-health advisory committee at EKU.

Degree Programs

The Department offers traditional BA and B.S. programs, which support a variety of pre-professional programs, a B.S. in Forensic Science with chemistry and biology options, and a B.A. in Chemistry-Teaching. The Pre-Pharmacy and pre-Chemical Engineering 2+2 and 3+2 programs can culminate in early transfer or completion of a degree at EKU.

Eastern Kentucky University

If you are serious about learning, Eastern Kentucky University is your kind of place. We're committed to helping you realize your potential and achieve your goals. And we'll work hard to provide you with a quality, life-changing learning experience.

As a student at EKU, you'll be taught, challenged and guided by professors who put teaching first. And because we maintain high standards set by national and regional accrediting agencies, we'll have high expectations for you as a student. You'll work hard, and we'll help you succeed.

Most of your classes at EKU will be small and will be taught by professors, not graduate students. You'll study in modern classrooms, laboratories, libraries and other facilities using state-of-the-art technology and equipment. And you'll discover opportunities to enhance classroom learning with hands-on experience through internships or the cooperative education program.

- A comprehensive, public university serving more than 16,000 students.
- Undergraduate and graduate excellence through more than 160 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, educational centers in Corbin, Danville and Manchester, and academic offerings at other sites throughout the Commonwealth.

For More Information

Office of Admissions
SSB CPO 54
Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475-3102
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
859-622-1456

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PRE-OPTOMETRY (CHEMISTRY B.A.)

Courses which students may take to meet requirements for admission to optometry schools should include the following.

Major Requirements	30-31 hours
CHE 111, 115, 112, 116 or 116H 361, 362, 366, 367, 470, 530, 531.	
Supporting Course Requirements	36 hours
BIO 121, 141, 320, MAT 124*, 224; PHY 131, 132; PSY 200; STA 270.	
General Education Requirements	36 hours
Standard General Education program, excluding blocks II, IVB, and VIII (6 hours). Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
University Requirement	1 hour
ASO 100.	
Free Electives	24-25 hours
Total Curriculum Requirements	128 hours

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

MINOR IN CHEMISTRY

A student may minor in chemistry by completing CHE 111, 115, CHE 112, 116 or 116H plus an additional 12 hours of upper division chemistry.

MINOR IN CHEMISTRY (TEACHING)

A student may obtain a teaching minor in chemistry by completing CHE 111, 115, CHE 112, 116 or 116H plus an additional 12 credits of upper division chemistry.

[Note: Given the scope of the required PRAXIS exam that must be passed for a certificate extension in chemistry, the following courses are particularly recommended for students seeking a teaching minor in chemistry: CHE 325, 330, 361/366, and 470.]

MAJOR COURSES

CHE 111	General Chemistry I
CHE 112	General Chemistry II
CHE 115	General Chemistry Lab I
CHE 116	General Chemistry Lab II
CHE 116H	General Chemistry Honors Lab II
CHE 325	Quantitative Analytical Chemistry
CHE 361	Organic Chemistry I
CHE 362	Organic Chemistry II
CHE 366	Organic Chemistry Lab I
CHE 367	Organic Chemistry Lab II
CHE 470	Principles of Physical Chemistry
CHE 530	Biochemistry of Macromolecules
CHE 531	Metabolic Biochemistry

SUPPORTING COURSES

BIO 121	Principles of Biology
BIO 141	General Zoology
BIO 320	Principles of Microbiology
MAT 109	Precalculus Mathematics
MAT 124	Calculus I
MAT 224	Calculus II
PHY 131	College Physics I
PHY 132	College Physics II
PSY 200	Intro. to Psychology
STA 270	Applied Statistics I