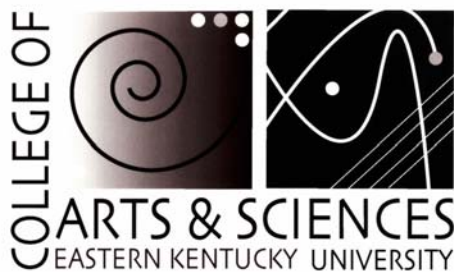


Gateway to



Learning - Discovery - Community

PRE-VETERINARY MEDICINE

DEPARTMENT OF BIOLOGICAL SCIENCES
DEPARTMENT OF CHEMISTRY
COLLEGE OF ARTS & SCIENCES
EASTERN KENTUCKY UNIVERSITY

Pre-Veterinary Medicine at EKU

Students with career interests in veterinary medicine may fulfill general admission requirements of specific veterinary schools by pursuing the Bachelor of Science degree in Biology or the Bachelor of Arts degree in Chemistry or the B.S. degree in Agriculture. Students will work with a Pre-Veterinary Science advisor to plan a suitable program of study.

Class sizes are small and there is frequent interaction with the faculty. Facilities for teaching and research are available both on and off campus. Laboratory experiences are an essential component of virtually all courses, so students gain practical as well as theoretical knowledge. If you are looking for a biology program where faculty place a high priority on both teaching and research, and getting students involved, EKU is the place!

Careers in Veterinary Medicine

The careers for which biology students prepare themselves are quite diverse. Students interested in veterinary science often pursue careers other than becoming a veterinarian. The competition for admission to veterinary schools is keen and it is recommended that students plan for alternative careers. Students following the pre-veterinary science curriculum also can find fulfillment in graduate programs that focus on veterinary diseases, anatomy, epidemiology, and public health. Employment in these fields can be found in both governmental agencies and the private sector.

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

Dept. of Biological Sci. - Moore 235
Dept. of Chemistry - Moore 337
Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475-3102
www.biology.eku.edu (859-622-1531)
www.chemistry.eku.edu (859-622-1456)

Education For Life.



Eastern Kentucky
University

WWW.EKU.EDU

PRE-VETERINARY MEDICINE (BIOLOGY B.S. OR CHEMISTRY B.A.)

Students pursuing degrees in either the Department of Biological Sciences or the Department of Chemistry will concentrate in biology and chemistry, with appropriate and complementary courses in humanities, social sciences, and communications. Courses in mathematics and physics will also be required. Students will be assigned to a pre-veterinary advisor. This advisor will work closely with each student to help plan programs of study and prepare for the process of gaining admission to the chosen school of veterinary medicine.

Biology (B.S.)

Major Requirements 35-36 hours
BIO 121, 131, 141, 315, 316, 320; 328 or 348; 490, 514, or elective in biology at the 300-500 level.

Supporting Course Requirements 32-33 hours
CHE 111, 115, 112, 116 or 116H, 361, 366, 362 and 367; MAT 124* or 261*; PHY 131, 132; STA 215 or STA 270.

General Education Requirements 30 hours
Standard General Education program, excluding blocks II, IVA, IVB, VII (QS), and VIII (6 hours). Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

University Requirement 1 hour
ASO 100.

Free Electives** 28-30 hours

Total Curriculum Requirements 128 hours

* A preparatory course in mathematics may be required before admission to calculus.

** Properly selected electives will allow a student to complete pre-veterinary medicine training.

Chemistry (B.A.)

Major Requirements 30 hours
CHE 111, 115, 112, 116 or 116H, 325, 361, 362, 366, 367, 470, six hours of upper division chemistry electives.

Supporting Course Requirements 13-14 hours
MAT 124* or 261*; PHY 131 or 201; PHY 132 or 202.

General Education Requirements 36 hours
Standard General Education program, excluding blocks II, IVB, and VIII (6 hours). Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

University Requirement 1 hour
ASO 100.

Free Electives** 47-48 hours

Total Curriculum Requirements 128 hours

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

** Properly selected electives will allow a student to complete pre-veterinary medicine training.

MAJOR COURSES

BIO 121	Principles of Biology
BIO 131	General Botany
BIO 141	General Zoology
BIO 315	Genetics
BIO 316	Ecology
BIO 320	Principles of Microbiology
BIO 328	Plant Physiology
BIO 348	Animal Physiology
BIO 490	Seminar
BIO 514	Evolution
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

SUPPORTING COURSES

MAT 124	Calculus I
MAT 261	Calculus with Applications for Science
PHY 131	College Physics I
PHY 132	College Physics II
PHY 201	University Physics I
PHY 202	University Physics II
STA 215	Elementary Probability and Statistics
STA 270	Applied Statistics I