



# Pre-Veterinary Medicine

## Pre-Veterinary Transfer Concentration

### Pre-Veterinary Medicine at EKU

The Pre-Veterinary Program at Eastern Kentucky University is administered by the Department of Agriculture. Although Kentucky does not have a veterinary school, the state has 34 positions in the College of Veterinary Medicine at Auburn University and two positions at Tuskegee University. Each respective school is in charge of selecting students into their program. EKU has one of the highest acceptance rates in Kentucky.

The pre-veterinary program is also designed to assist students meet the entrance requirements to veterinary schools throughout the United States. Students may meet these requirements in as little as three years. After completion of the first year of veterinary school students can transfer their course work back to receive a BS degree from Eastern.

### Opportunities in Pre-Veterinary Medicine

Although most students pursue their career in the field of veterinary medicine, others continue graduate school in the animal science or biological science areas. Still others find rewarding career opportunities in biotechnology, pharmaceutical sales, and other related fields. Students not accepted at a veterinary school after their junior year may continue for a Bachelors Degree. Because of the courses in Pre-Vet Curriculum most students continue in either Agriculture, Biology or Chemistry, although a degree in any major is possible. In fact, many students do not get into vet school after their junior year and reapply a second and sometimes third time. Alternate careers other than veterinary medicine include Laboratory Technician to assist in the collection and analysis or research data for government, university and private laboratories; and Pharmaceutical Sales for marketing and distribution of veterinary medical supplies. Because of the type of courses in the Pre-Veterinary program students often qualify for graduate studies in Animal Science, Biology, Genetics, Nutrition, Microbiology, Reproduction, and other basic sciences. Tips for success in the pre-vet program:

- Attend all lectures and laboratories.
- Dedicate yourself to getting good grades. Veterinary School is competitive. Good Grades will give you a competitive edge. A GPA of over a 3.4 will give you a competitive edge.
- Work with a Veterinarian. Their reference will be invaluable in assisting you in acceptance at veterinary school.
- Get involved in the Pre-Vet Club & other campus activities.

### Philosophy

The Department of Agriculture blends scientific theory with practical application and hands-on experiences. Current concepts and theories are presented in the classroom and then applied in the laboratory with the faculty member as the laboratory supervisor using a hands-on approach. Practicum classes at the University enterprises and through cooperative education are further utilized to reinforce the practical application of scientific theory. Professors are experienced, enthusiastic, and passionate about providing students the skills necessary to succeed in the ever-changing 21st Century environment.

### Department Facilities & Student Organizations

Eastern Kentucky University's Meadowbrook farm complex is a 720-acre laboratory which supports our instructional and practicum "hands on" learning program. Located eight miles from campus, the farm gives students an opportunity to experience practical modern beef, dairy, sheep, swine, and crop enterprises. Modern facilities at the Carter Building include an animal science, biotechnology, and computer laboratory. The Department of Agriculture supports the Pre-Vet Club and several student organizations that provide opportunities for extracurricular learning/fun experiences.

### For More Information

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### Pre-Veterinary Transfer Concentration

This program of courses is designed to meet the entrance requirements for a School of Veterinary. Students may apply in the fall of their junior year at Eastern. Students may transfer applicable credits earned at Auburn back to Eastern enabling the student to earn a B.S. Degree from ECU.

#### Freshman (1<sup>st</sup> Semester) 15-17 hrs

- BTO 100** Orientation (1 hr)
- AGR 125** Principles of Animal Science
- AGR 126** Animal Science Lab (1 hr)
- E-1A** ENG 101 English I
- E-2** MAT 120, 122, 211 or 234 (3-5 hrs)
- E-4B** CHE 111 Chemistry I
- E-4B** CHE 111L Chemistry I Lab (1 hr)

#### Sophomore (1<sup>st</sup> Semester) 17-18 hrs

- AGR 321** or **421** Feeds & Feeding (3-4 hrs)
- BIO 112** Biology (4 hrs)
- CHE 361** Organic Chemistry I
- CHE 361L** Organic I Lab (1 hr)
- E-5A** History
- Additional SBS** (3 hrs)

#### Junior (1<sup>st</sup> Semester) 17 hrs

- E-3B** ENG 211 or 212 Literature
- PHY 131** Physics (5 hrs)
- E-6** Diversity
- Additional A&H** (3 hrs)
- BIO 331**

#### Freshman (2<sup>nd</sup> Semester) 17 hrs

- E-4A** BIO 111 Biology (4 hrs)
- CHE 112** Chemistry II
- CHE 112L** Chemistry Lab (1 hr)
- E-1B** ENG 102 English II
- E-1C** Communication
- Wellness** (3 hrs)

#### Sophomore (2<sup>nd</sup> Semester) 16 hrs

- CHE 362** Organic Chemistry II
- CHE 362L** Organic II Lab (1 hr)
- E-5B** Social and Behavioral
- E-6** Diversity
- Additional SBS** (3 hrs)
- Science Elective** AGR or BIO\*

#### Junior (2<sup>nd</sup> Semester) 15 hrs

- AGR 305** Professional Skills Seminar (1 hr)
- E-3A** MUH 171, ART 200 or THE 100
- Science Elective** (BIO or PHY)
- CHE 431** Metabolic Biochemistry (3 hrs)
- Additional A&H** (3 hrs)

### UNIVERSITY GRADUATION REQUIREMENTS

General Education .....	36 hrs
Orientation Course (waived for transfers with 30+ hrs.).....	1 hr
Wellness.....	3 hrs
Total Hours University Graduation Requirements .....	40 hrs

#### College Requirements:

AGR 305 (1 hr) and BTS 400 (CR only, no hrs) .....	1 hr
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#### Core Courses .....

AGR 321 and 421; 22 hours of agriculture classes in consultation with advisor and AGR 499 or 509. ....	28-29 hrs
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#### Core Requirements .....

AGR 125, 126. ....	4 hrs
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#### Additional Veterinary School Requirements .....

CHE 112/112L, 361/361L, 362/362L, and 431; six hours of science electives, choose from: AGR 374, 375, or 376, BIO 315, 320, 348, 546 or PHY 132 (5); 6 additional hours of arts & humanities, 6 additional hours of social and behavioral science electives. *Courses listed are those required by Auburn School of Veterinary Medicine for students without a Baccalaureate degree prior to starting veterinary school.*

#### Supporting Course Requirements .....

BIO 111 (counted in GE Element 4), 112 and 331 CHE 111/111L (counted in GE Element 4) MAT 120, 122, 211 or 234 (3-5 hrs) (counted in GE Element 2) PHY131	14-16 hrs
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**Total Curriculum Requirements..... 120-126 hrs**