



Pre-Veterinary Medicine

4-Year General Pre-Veterinary 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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4-Year General Pre-Veterinary Concentration

Following this program of courses, students earn a B.S. degree from EKU that meets the entrance requirements for a School of Veterinary Medicine. Students typically apply to veterinary school in the fall of their senior year.

Freshman (1st 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 (1st Semester) 15 hrs

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

Junior (1st Semester) 13 hrs

- AGR Animal Science
- E-6 Diversity
- AGR 305 Professional Skills Seminar (1 hr)
- AGR 308 Agricultural Economics
- Science Elective*

Senior (1st Semester) 14 hrs

- AGR 304 Pest Management
- AGR Animal Production
- E-3A Arts
- PHY 131 Physics I (5 hrs)

Freshman (2nd Semester) 17 hrs

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

Sophomore (2nd Semester) 13-15 hrs

- CHE 362 Organic Chemistry II
- CHE 362L Organic II Lab (1 hr)
- E-5B ECO 120 Economics
- AGR Animal Science
- AGR Production

Junior (2nd Semester) 15 hrs

- AGR 421 Animal Nutrition
- E-3B Humanities
- E-6 Diversity
- AGR 349 Co-op (3 hrs)
- BIO 331

Senior (2nd Semester) 13-15 hrs

- AGR 411 Senior Seminar
- Science Elective*
- AGR 310, 350 or 440 Agribus Mgt, Ag Marketing, or Ag Financing
- BTS 400 College to Careers Seminar (0 credit)
- AGR 499 or 509 Capstone (3 hrs)
- CHE 431 Metabolic Biochemistry (3 hrs)

*Science electives include: BIO 315, 320, 348, 546, or PHY 132.

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, 421, two production classes (AGR 255, 327, 328, 329, 332, 380), two animal science courses (AGR 373, 374, 375 or 376), AGR 499 or 509.	22 hrs
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Core Requirements

AGR 125, 126, 304, 308, one of the following (310, 350, 440); three hours of AGR 349 and 411.	18 hrs
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Additional Veterinary School Requirements

CHE 361/361L, 362/362L, and 431; six additional hours of science electives, choose from: BIO 315, 320, 348, 546 or PHY 132 (5). *Courses listed are those required by Auburn School of Veterinary Medicine for students with 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) and 112/112L
- ECO 120 (counted in GE Element 5)
- MAT 120, 122, 211 or 234 (counted in GE Element 2)
- PHY 131

Free Electives

0-3 hrs	120-123 hrs
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Total Curriculum Requirements.....