



DISCOVER

University of Kentucky • College of Agriculture

Pre-Veterinary Medicine

UK

Pre-professional/non-degree program

Effective: August 1999

The pre-veterinary medicine program prepares students to meet requirements for veterinary school. Kentucky does not have a veterinary school, however it does have contracts with Auburn and Tuskegee in Alabama. Each year 34 seats are available at Auburn and 2 at Tuskegee for legal Kentucky residents.

Under both programs, students selected are exempt from the out-of-state tuition that would normally apply to a Kentucky resident. Admission is on a competitive basis with the final selection being made by a committee composed of faculty members from each of the veterinary schools.

A minimum number of hours in specific courses is required prior to consideration for admission. Due to the high level of competition for admissions, you should maintain at least a 3.0 (on a 4.0 scale) academic standing on all college work. A grade point average of at least a 2.5 is required for application. You must have completed all the required courses or acceptable substitutes by June 15 of the year of possible admission. Courses in certain advanced sciences must be taken within six years of entry. A grade of D in a required course is not acceptable and the course must be repeated.

The deadline for applying each year to veterinary school is October 1 (subject to change). All students who apply to Auburn must take the Graduate Records Exam (GRE), while students who apply to Tuskegee must take the Veterinary College Admission Test (VCAT). You should take these tests the fall preceding the year you plan to enroll in veterinary school. You can also complete required courses so that you may apply to other veterinary schools.

Pre-veterinary medicine is not a degree program. You have several options available to complete requirements for Auburn and Tuskegee:

Option 1

Complete a B.S. or B.A. degree and take required science courses. By working with both a pre-veterinary advisor **and** a degree advisor, you should be able to complete a degree and required courses within four years.

Option 2

Take only required pre-veterinary courses (which includes specific humanities classes) and apply during the third year of college study. If you are not accepted, at least three to four additional semesters will be needed to complete a degree program. Reapplication to veterinary school is possible.

Curriculum

The following curriculum is designed to meet the requirements of Auburn and may be completed in three years. However, this is subject to change. You should work closely with your pre-veterinary advisor in making certain that all requirements are met for consideration for acceptance. There may be some specific alternatives to the following courses, depending on your background.

BIO 150/151—Principles of Biology I and Lab	5
BIO 152/153—Principles of Biology II and Lab	5
CHE 105—General College Chemistry I	3
CHE 107—General College Chemistry II	3
CHE 115—General College Chemistry Lab	3
CHE 230/231—Organic Chemistry I and Lab	5
CHE 232/233—Organic Chemistry II and Lab	5
PHY 211—General Physics I	5
PHY 213—General Physics II	5
ASC 378—Animal Nutrition or	
BCH 401G—Biochemistry	3
Science Electives	6
300+ level courses such as genetics, microbiology, anatomy, physiology, histology, immunology or medical entomology	

The following courses are required for students applying without a BS or BA degree.

Written Composition

ENG 101/102 or HON 101/102 6
(ENG 105 is also acceptable)

Humanities & Fine Arts

Literature: ENG 251/252; 261/262;
221/222; HON 201/202; consult advisor 3 [or 6]*
Fine Arts: Art History courses, MUS 100,
MUS 201, TA 101; consult advisor 3
Humanities/Fine Arts electives: Literature,
philosophy, religion, speech, languages,
GEN 100, GEN 200 6

History, Social & Behavioral Sciences

History: HIS 108/109; 104/105; 106/107;
consult advisor 3 [or 6]*
Social/Behavioral Science electives:
Anthropology, economics, geography, political
science, psychology, sociology, religion,
AEC 101, GEN 102 9

Mathematics

MA 123 or MA 113 3

*Students must complete a 6 semester sequence either in literature or in history. Example: 2 semesters of American History + 1 literature course OR 2 semesters in European literature + 1 history course.

Required courses cannot be taken by correspondence. Any Advanced Placement or CLEP credit for required courses must be approved by Dr. Dwyer. All pre-vet required courses must be completed by June 15 of the anticipated year of entry to veterinary school. To be exempted from the Auburn required English, Humanities, Fine Arts, etc., the BS or BA degree must be awarded at the end of the Spring semester of the anticipated year of entry to veterinary school.

Tuskegee Pre-Veterinary Curriculum**

ASC 106—Intro to Animal Science 3
ASC 378—Animal Nutrition 3
BIO 150/151/152/153—Principles of Biology 10
CHE 105/107/115—General College Chemistry 9
CHE 230/231/232/233—Organic Chemistry 10
BCH 401G—Biochemistry 3
English Composition or communications 6
Mathematics (e.g. MA 109/123) 6
PHY 211/213—General Physics 10
Social Science & Humanities 6
Free electives (may include advanced biology
courses and others) 8

**Poultry Science is required but can be taken after admission to Tuskegee.

Sample Schedule

By working with a pre-vet advisor **and** a degree advisor, you should be able to complete the coursework for a degree and for application to veterinary school within 4 years.

This sample schedule is for students who wish to obtain a B.S. in Animal Sciences while simultaneously completing Auburn's pre-veterinary medicine requirements. Agricultural

Biotechnology and Biosystems & Agricultural Engineering also have sample schedules to fulfill degree and pre-vet requirements. See degree advisors for details. If you wish to obtain a B.S. or B.A. in another degree program you should work with an advisor in that area of study.

This schedule will vary if you have earned credit by examination or via a high school advanced placement course, or if you did not complete the University foreign language requirement in high school.

First Year

Fall Semester (16 hours)

ASC 106— Introductory Animal Science 3
ASC 120— Animal Science Laboratory 1
ENG 101— Writing I 3
MA 109— College Algebra 3
CHE 105— General College Chemistry I 3
USP— Social Science Elective 3

Spring Semester (15 hours)

MA 123— Elementary Calculus 3
CHE 107— General College Chemistry II 3
CHE 115— General Chemistry Laboratory 3
ENG 102— Writing II 3
GEN 100— Development of Modern Agriculture 3

Second Year

Fall Semester (16 hours)

CHE 230—Organic Chemistry I 3
CHE 231—Organic Chemistry Lab I 2
BIO 152—Principles of Biology II 3
BIO 153—Principles of Biology Lab II 2
ENG 203— Writing for Business 3
USP— Social Science Elective 3

Spring Semester (16 hours)

CHE 232— Organic Chemistry II 3
CHE 233— Organic Chemistry Lab II 3
BIO 150—Principles of Biology I 3
BIO 151—Principles of Biology Lab I 3
GEN 200— Contemporary Problems in Agriculture 3
USP Humanities Elective 3

Third Year/Fourth Years

Animal Sciences: Animal Production Option

Third Year

Fall Semester (17 hours)

ASC 300— Meat Science 5
ASC 360— Genetics 3
ASC 364— Reproductive Physiology of
Farm Animals 3
ASC 378— Animal Nutrition 3
300 level & above 3

Spring Semester (17 hours)

ASC 362— Animal Breeding 3
ASC 380— Feeds and Feeding 3
PHY 211— General Physics 5
USP Humanities Elective 3
300 level & above 3

Fourth Year

Fall Semester (14/15 hours)

Senior-level Production Course	3/4
ASC 470— Capstone for Animal Agriculture	3
300 level & above	3
PHY 213— General Physics	5

Spring Semester (16/17 hours)

USP Cross Cultural Elective	3
300 level & above	13/14

Third Year/Fourth Years

Animal Sciences: Dairy Production Option

Third Year

Fall Semester (17 hours)

ASC 360— Genetics	3
ASC 364— Reproductive Physiology of Farm Animals	3
ASC 378— Animal Nutrition	3
PHY 211— General Physics	5
300 level & above	3

Spring Semester (17 hours)

ASC 362— Animal Breeding	3
ASC 380— Feeds and Feeding	3
PHY 213— General Physics	5
USP Humanities Elective	3
USP Cross Cultural Elective	3

Fourth Year

Fall Semester (15 hours)

ASC 470G— Dairy Cattle Science	3
ASC 470— Capstone for Animal Agriculture	3
300 level & above	9

Spring Semester (16 hours)

300 level & above	16
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Third Year/Fourth Years

Animal Sciences: Equine Production Option

Third Year

Fall Semester (17 hours)

ASC 360— Genetics	3
ASC 364— Reproductive Physiology of Farm Animals	3
ASC 378— Animal Nutrition	3
ASC 320— Equine Management	3
PHY 211— General Physics	5

Spring Semester (17 hours)

ASC 310— Equine Anatomy and Conformation	2
ASC 362— Animal Breeding	3
ASC 380— Feeds and Feeding	3
PHY 213— General Physics	5
USP Humanities Elective	3

Fourth Year

Fall Semester (15 hours)

ASC 470— Capstone for Animal Agriculture	3
USP Cross Cultural Elective	3
300 level & above	9

Spring Semester (16 hours)

ASC 410G— Equine Science	3
300 level & above	13

Notes

Courses are subject to availability. The sample schedules have been planned assuming courses can be scheduled as illustrated for each semester. If you withdraw from or fail required courses you may need to attend summer school in order to apply in the desired time frame. You should work closely with your pre-veterinary advisor **and** a degree advisor since the humanities and science electives chosen may also fulfill degree requirements. Humanities and science electives should have advisor approval if not specifically listed in the curriculum section.

In addition to required coursework, all veterinary schools require students to have worked with a veterinarian. Large and small animal experience is desired. Leadership skills, community service and employment history are also evaluated.

Veterinary school requirements are subject to change, including application deadlines. Students are responsible for maintaining contact with a pre-veterinary advisor and attending informational meetings held throughout the academic year.

Advice for high school students

To prepare you for the rigors of college study in the sciences, you should take as much biology, chemistry, physics, math and English in high school as possible. Volunteer to work in veterinary offices, humane societies and other organizations to gain veterinary and animal-related experience.

Resources:

UK College of Agriculture
<http://ca.uky.edu>

Veterinary schools around the world
<http://netvet.wustl.edu/vschool.htm>

American Veterinary Medical Association
<http://www.avma.org>

Veterinary Medical School Application Service (VMCAS)
<http://www.aavmc.org/vmcas.htm>

The book *Veterinary Medical School Admission Requirements in the United States and Canada* is available from Purdue University Press. Telephone: 765-494-2038. New yearly editions are usually available in September.

For more information
contact:

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