

Employment Trends

Veterinarians held about 60,000 jobs in 2000. About one-third were self-employed in solo or group practices. Most others were employees of another veterinary practice. The federal government employed about 800 civilian veterinarians, chiefly in the U.S. Departments of Agriculture and Health and Human Services. Other employers of veterinarians are state and local governments, colleges of veterinary medicine, medical schools, research laboratories, animal food and pharmaceutical companies and zoos.

Employment of veterinarians is expected to grow faster than the average for all occupations through 2010. Job openings to replace veterinarians who retire or otherwise leave the labor force will be almost as numerous as new jobs resulting from employment growth.

The number of jobs for large-animal veterinarians in particular is expected to increase. Support for public health and food safety, international and national disease control programs, and biomedical research on human health issues will contribute to the demand.

Food-Animal Veterinarians at the University of Missouri

The MU College of Veterinary Medicine has a large and talented food-animal faculty that includes diplomates of the American College of Veterinary Internal Medicine, the American College of Theriogenology, the American Board of Veterinary Practitioners, and the American College of Veterinary Preventive Medicine. Board certification in these disciplines indicates a high level of clinical competence and specialization.

This extra training improves the quality of service to the animal-owning public and education at our college. In addition to our faculty's clinical training, many of our food-animal faculty have completed graduate degrees and are involved in research programs in neonatal immunology, mastitis, reproductive biology, infectious livestock diseases, pharmacology, and nutrition.

Pre-Veterinary Medical

MU AgScholars Program

An early assurance of admission program to the MU College of Veterinary Medicine for selected MU animal science students



A collaboration between the University of Missouri College of Veterinary Medicine and College of Agriculture, Food and Natural Resources

**2009
2010**

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An equal opportunity/ADA institution

University of Missouri Pre-Veterinary

AgScholars Program

Overview

This program provides early assurance of admission to the MU College of Veterinary Medicine to selected students pursuing undergraduate animal science studies at the University of Missouri.



Objectives

- Guarantee acceptance into the MU College of Veterinary Medicine upon satisfactory completion of the program's undergraduate requirements at MU.
- Develop a mentoring relationship between animal science students and MU College of Veterinary Medicine faculty.
- Facilitate student involvement in research and clinical activities in livestock medicine.

Eligibility

- High school seniors and MU freshman with an ACT composite score of 27 or more, or an equivalent SAT score.
- Applicants should demonstrate experience or interest in livestock production and health. Examples of appropriate experience may include participation in a livestock enterprise as either a family member or employee; enrollment in at least two years of high school agricultural coursework; and participation in FFA, 4H, or equivalent organizations with projects directly related to livestock production or health.

Students who do not meet the standards of demonstrated experience or interest will be admitted if they agree to complete an internship in the summer between the freshman and sophomore or sophomore and junior years of their undergraduate training. This internship must entail at least 250 hours of supervised experience in livestock production or a livestock health enterprise.

Selection

Selection is based on meeting the academic eligibility requirements and attaining a satisfactory

score from an interview. Interviewers will review academic performance and assess involvement in extracurricular and community activities. U.S. citizenship or permanent residency is required.



Activities

Monthly meetings are required between pre-veterinary agricultural scholars and mentors. During these meetings, mentors will review the progress of scholars, offer advice, and answer questions. Mentors also alert scholars to events in the MU College of Veterinary Medicine that scholars may attend or assist. Scholars will be informed of research activities in the college and, when possible, offered the opportunity to participate in research projects as an assistant. Scholars assigned to clinicians may be able to attend case rounds and observe diagnostic or surgical procedures.

A pre-veterinary medical agricultural scholars organization arranges special demonstrations or presentations by veterinary medical faculty in various areas of specialization to all interested scholars.

Timetable

Deadline for application:

- Fall Semester: September 15
- Spring semester: April 1

Interviews are scheduled within two weeks of application deadlines. Notification of selection occurs soon after the interview.

Request an Application Packet

Send your request for an application packet to:

Pre-Veterinary Medical Agricultural Scholars
W-203 Veterinary Medicine Bldg.
College of Veterinary Medicine
University of Missouri
Columbia, MO 65211
Or call 573-884-6435.
http://cvm.missouri.edu/request_info.htm

Undergraduate Requirements

To retain status as a pre-veterinary medical agricultural scholar, a student entering the program must satisfactorily complete the following requirements as a full-time student within four years on the MU campus:

Discipline	Required Courses	Hrs	Discipline	Required Courses	Hrs
Communications 9 hours	English 1000, Exposition and Argument	3	Social Sciences	Select one:	
	Communications 1200, Intro to Speech Comm	3		History 1100 or 1200	3
	Select one:	3	Poli Sci 1100, 1700 or 2100	3	
	Agriculture 2190		Animal Science 27 hours	AS1011 Animal Science	3
	Ag Educ 2220			AS1065 Lab Practicums	2
	Ag Jour 3210, 3240			AS2111 Soph Seminar	3
	Comm 3441, 3572, 3575, 3576			AS2165 Ruminant Prod	3
	Comm Sci and Disorders 1110			AS2175 Monogastric Prod	3
	English 2010, 2030			AS3212 Principles of Applied Nutrition	2
	Foreign Language			AS4323 Genetics	2
Theater 1400		AS3232 Animal Feeds and Feeding	3		
Rural Sociology 2225		AS4314 Repro Physiology	3		
Mathematics 6 hours	Math 1100, College Algebra (or higher)	3	Select one: Animal Products		
	Statistics 1200, Introductory Stats Reasoning (or higher)	3	AS2114 Live Animal and Meat Evaluation	3	
Biochemistry 3 hours	Biochemistry 3630, General Biochemistry (or higher)	3	AS3214 Principles of Meat Science	3	
	Biological Sciences 13 hours	Biology 1500 or FW1100, General Biology	5	AS4354 Physiology/ Biochem of Muscle Food	3
AS3213 Genetics		3*	AS3231 Principles of Dairy Foods Science	3	
AS3254 (AS3255) Physiology of Domestic Animals		5*	Livestock Production 6 hours	Select two:	
Physics 8 hours	Physics 1210 and 1220	8		AS4979 Poultry Prod	3
	Social Sciences 9 hours	Ag Economics 1041		3	AS4978 Swine Prod
Ag Economics 1042		3		AS4975 Beef Prod	3
			AS4976 Dairy Prod	3	
			Humanistic Studies and Fine Arts 6 hours	Approved humanistics stud- ies or fine arts credit (English, Lit, Art, Music) <i>For more information, see generaleducation.missouri. edu/requirements</i>	

* Only selected courses in AS may fulfill the 10 credit hours of biological sciences required for admission into Veterinary Medicine. Contact the admissions advisor at 573-884-6435 for a comprehensive list.

Minimum Standards for AgScholars

1. Maintain a cumulative GPA of at least 3.30 or better in MU classes (semesters where a student is enrolled as a part-time student will not be used in the calculation of cumulative GPA). If a student fails to maintain a 3.30 cumulative GPA, he or she will have two successive full-time semesters to improve cumulative GPA to 3.30 or better. If the student's cumulative GPA falls below the program minimum of 3.30 a second time, it will result in automatic dismissal.
2. Required courses for admission must be taken at MU in Columbia (60 hours total). Elective courses may be taken elsewhere in summer, but grades will not be used in calculating the required cumulative GPA.
3. Make a B- or better in the 60 hours of required pre-professional courses. If more than one grade of less than a B- and greater than an F is obtained in any required course, a student will be dismissed from the program. A single failing grade in any course will result in dismissal. *Note: This academic requirement also applies to the general and organic chemistry requirements for Biochemistry 3630.*
4. Enroll as a freshman in the Animal Science Bachelor of Science degree program at the University of Missouri, complete all required courses listed in the AgScholars pre-veterinary curriculum (see list on reverse).
5. Maintain an average course load of 15 hours per semester (fall and spring only), exclusive of AP, CLEP, or advanced standing course hours.
6. Acquire at least 300 contact hours in high school or college observing a clinical veterinarian(s) practicing the profession. A minimum of 100 hours each with small-animal, equine and food-animal practitioners is required. No more than 100 of the required 300 hours is allowed to be completed in the MU Veterinary Medical Teaching Hospital.
7. Take the Graduate Record Examination (GRE) or the Medical College Admissions Test (MCAT) and achieve the minimum cumulative score of 1120 and a 3.5 on the analytical section. A composite score of greater than or equal to 24 on the MCAT may be substituted for the GRE requirement.
8. Meet with mentor every month during fall and winter semesters. Mentors will be drawn from faculty in food-animal medicine and surgery, theriogenology and veterinary extension.
9. Become and remain an active member of the Pre-Veterinary Medicine Club and attend at least 10 meetings per year, or a pre-approved substitute. Substitute activities require pre-approval by the associate dean for Academic Affairs.
10. Meet minimum attendance and participation requirements for supervised observation in the MU Veterinary Medical Teaching Hospital. These clinical rotations do not meet the requirement for experience with veterinarians as required in item 6 (see above).
11. Complete internship between freshman and sophomore undergraduate years if required.
12. Complete the program within four years.

The University of Missouri does not discriminate on the basis of race, color, religion, national origin, ancestry, sex, age, disability or status as a disabled veteran or veteran of the Vietnam era. For more information, call Human Resource Services at 573-882-4256 or the U.S. Department of Education, Office of Civil Rights.

The University of Missouri complies with the Americans with Disabilities Act of 1990. If you have a disability and need accommodations, please notify us at 573-882-1902 as soon as possible, so that necessary arrangements can be made. TTY users: please call through Relay Missouri, 800-735-2966.

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