



# AgScholars Program

## MINIMUM STANDARDS FOR PRE-VETERINARY 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). 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 preprofessional courses. If more than one grade of a C or lower is obtained in any required course, a student will be dismissed from the program. A single failing grade in any required 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 courseload of 15 hours per semester (fall and spring only), exclusive of AP, CLEP, or advanced standing course hours.

6. Acquire at least 250 contact hours in high school or college observing a clinical veterinarian(s) practicing the profession. No more than 100 of the required 250 hours is allowed to be completed in the University Veterinary Health Center.

7. Take the Graduate Record Examination (GRE) General Test. The minimum required score on the

GRE general test is 310, adding the quantitative and verbal scores together. A minimum of 3.5 is required on the analytical section.

8. Meet with mentor the first month of every enrolled semester: Fall (September) and spring (January).

9. Become and remain an active member of the Pre-Veterinary Medicine Club and attend at least 10 meetings per year.

10. Meet minimum attendance and participation requirements for supervised observation in the MU Veterinary Health Center. These clinical rotations do not meet the requirement for experience with veterinarians as required in item 6.

11. Complete the program within four years. \*  
\*If a student submits an application to the College of Veterinary Medicine independent of the AgScholars Program, prior to meeting the minimum program standards, and is unsuccessful in gaining admission, that student forfeits placement in the AgScholars Program.

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.

All statements in this publication are for information purposes only and should not be interpreted as being an offer for contract for any purpose.

## FOOD ANIMAL FACULTY AT THE MU CVM



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 Theriogenologists, 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.

  
College of  
Veterinary Medicine  
University of Missouri

## AgScholars PROGRAM

2016-2017



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*

Visit our website:  
[www.cvm.missouri.edu](http://www.cvm.missouri.edu)

Revised September 2016

*An equal opportunity/ADA institution*



# 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.
- Enable students to receive a bachelor of science degree with three or four years of undergraduate work while simultaneously pursuing their professional studies.

### Eligibility

- High school seniors and MU freshman with an ACT composite score of 27 or more, or an equivalent SAT score.
- Applicants must have demonstrated experience 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; or completion of an internship of at least 250 supervised hours working in livestock production or a livestock health enterprise prior to applying for program admission.

### Selection

Selection is based on applicants meeting the academic eligibility requirements, academic per-

formance, evidence of leadership, extra-curricular activities and community involvement. U.S. citizenship or permanent residency is required.

### Activities

Meetings are required between scholars and mentors, during which 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:

- High school seniors: April 1
- University of Missouri first-time freshmen: September 15

Notification of selection occurs soon after application deadlines.

### 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  
573-884-3341  
[cvm.missouri.edu/request\\_info.htm](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
Communications 6 hours	English 1000, Exposition and Argument	3
	Communications 1200, Intro to Speech Comm or Ag Education LDR 2220	3
Mathematics 6 hours	Math 1100, College Algebra (or higher)	3
	Statistics 1200, Introductory Stats Reasoning (or higher)	3
Biochemistry 3 hours	Biochemistry 3630, General Biochemistry (or higher)	3
Biological Sciences 13 hours	Biology 1500 or FW1100, General Biology	5
	AS3213 Genetics	3*
	AS3254 with Lab Physiology of Domestic Animals or MPP 3202/Biological Science 3700	5*
Physics 8 hours	Physics 1210 and 1220	8
Social Sciences 9 hours		
Select one:	Ag Economics 1041 or 1042 Accountancy 2010 Economics 1014 or 1015 Finances 1000, 2000 Finpin 2183	3
Select one:	History 1100, 1200 or 2440 Poli Sci 1100 or 2100	3
Select one:	Approved social/behavioral science Select from: <a href="http://generaleducation.missouri.edu">http://generaleducation.missouri.edu</a>	3

\* 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.

For information:  
[generaleducation.missouri.edu/requirements](http://generaleducation.missouri.edu/requirements)

## Divisional Requirements Hrs 53-57

### Freshman Year (9 credits)

AS 1001 LST Topics (Orientation; f)	1
AS 1001 LST 02 Topics (Bio of Anim Prod I; f)	4
AS 1xxx Topics (Bio of Anim Prod II; sp)	4

### Sophomore Year (9 credits)

AS 2001 LST 1 Topics (Careers in Animal Science; f)	1
AS 2001 LST 2 Topics (Animal Products & Biotech; f)	4
AS 2111 Soph Seminar (WI, ≥ C-, sp)	3

### Junior Year (15 credits)

AS 3001 LST 01 Topics (Prin & Appl of An Nutrition; f)	4
AS xxxx Advanced Physiology (f; pending) —	3
AS 4314 Repro Physiology (f, sp) <sup>1</sup> —	3
AS 4323 Appl Lvst Genetics (MRP, sp) or	2
AS 4324 Genomics of Plants & Animals (sp)	

### Senior Year (16-20 credits)

<b>Animal Sciences Production Systems</b> <b>Select two (one must be WI &amp; ≥ C-)</b>	6
AS 4975 Beef Prod & Mgt (sp; WI)	
AS 4976 Dairy Prod (f; WI and non-WI option)	
AS 4977 Horse Prod (sp; non-WI)	
AS 4978 Swine Prod (f; WI and non-WI option)	
AS 4979 Poultry Prod (sp; WI)	
<b>Advanced Nutrition (select one)</b>	3
AS 4312 Monogastric Nutrition (f)	
AS 4332 Ruminant Nutrition (sp)	

Divisional requirements — credits must be approved through the Animal Science Department office.

Humanistic Studies and Fine Arts 6 hours	Approved humanistics studies or fine arts credit (English, Lit, Art, Music)
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