



**Overview**

This program, A collaboration between the University of Missouri College of Veterinary Medicine and College of Agriculture, Food and Natural Resources, 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 CVM 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 professional studies.

**Eligibility**

- High school seniors and MU freshman

with an ACT composite score of 27 or more, or an equivalent SAT score. ACT superscores accepted.

- 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 Process**

Selection is based on applicants meeting the academic eligibility requirements, academic performance, 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: March 15
- University of Missouri first-time freshmen: September 15 or March 15

Notification of selection occurs soon after application deadlines.

**Request an Application Packet**

Send your application packet request to:

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. Only the 60 semester hours of prerequisites require a B- or higher grade. (Refer to the current Admissions Guide for required 60 hours of prerequisites.) Any courses used to meet required course prerequisites taken while in high school must be recorded on the student's MU transcript to be considered. Credit by examination may be used if on a U.S. transcript.

Discipline	Required Courses	Hrs
<b>Communications</b> 6 hours	English 1000, Exposition and Argument	3
	Communications 1200, Intro to Speech Comm or AGSCI-COM 2220	3
<b>Mathematics</b> 6 hours	Math 1100, College Algebra (or higher)	3
	Statistics 1200, Introductory Stats Reasoning (or higher)	3
<b>Biochemistry</b> 3 hours	Biochemistry 3630, General Biochemistry (or higher)	3
<b>Biological Sciences</b> 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 *
<b>Physics</b> 8 hours	Physics 1210 and 1220	8
<b>Social Sciences</b> 9 hours	Select one: ABM 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.

### Divisional Requirements

#### Freshman Year (9 credits)

	Hours 53-57
An_Sci 1010 Orientation to Animal Sciences (f)	1
An_Sci 1165 Bio of Anim Prod I w/lab (f)	4
An_Sci 1175 Bio of Anim Prod II w/lab (sp)	4

#### Sophomore Year (9 credits)

AS 2010 LST 1 Topics (Careers in Animal Science; (f)	1
AS 2214 LST 2 Topics (Animal Products & Biotech, (f)	4
AS 2111W Soph Seminar (sp)	3

#### Junior Year (15 credits)

AS 3242 (Prin & Appl of An Nutrition; (f)	4
AS 3264 Physiology of Domestic Animals II (sp)	4
AS 4314 Repro Physiology (f, sp)	3
AS 4323 Appl Lvst Genetics (MRP, sp)	2
or AS 4324 Genomics of Plants & Animals (sp)	2

#### Senior Year (16-20 credits)

##### Animal Sciences Production Systems

Select two (one must be WI & ≥ C-)	6
AS 4975W Beef Prod & Mgt (sp; WI) — or AS4975 no WI	
AS 4976W Dairy Prod (f; WI and non-WI option)	
AS 4977 Horse Prod (sp; non-WI)	
AS 4978W Swine Prod (f; WI and non-WI option)	
AS 4979 Poultry Prod (sp)	

##### Advanced Nutrition (select one)

AS 4312 Monogastric Nutrition (f)	3
AS 4332 Ruminant Nutrition (sp)	

##### Senior Electives (7 plus credits)

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

Humanistic Studies and Fine Arts

Approved humanistics studies or fine arts credit (English, Lit, Art, Music)	6
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For information: [generaleducation.missouri.edu/requirements](http://generaleducation.missouri.edu/requirements)

## Minimum Standards

- Maintain a cumulative GPA of at least 3.50 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 3.50 cumulative GPA, he or she will have two successive full-time semesters to improve cumulative GPA to 3.50 or better. If the student's cumulative GPA falls below the program minimum of 3.50 a second time, it will result in automatic dismissal.
- 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.
- Make a B- or better in the 60 hours of required preprofessional courses. 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.
- 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.
- Maintain an average course load of 15 hours per semester (fall and spring only), exclusive of AP, CLEP, or advanced standing course hours.
- 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 as an employee. Confirmation of completed hours are required when submitting your veterinary medical college application.
- Meet with mentor the first month of every enrolled semester: Fall (September) and spring (January).
- Become and remain an active member of the Pre-Veterinary Medicine Club and attend at least 10 meetings per year.
- Meet attendance and participation requirements for supervised observation in the MU Veterinary Health Center. These clinical rotations can not be used to meet the requirement for experience with veterinarians as required in 6.
- Complete the program within four years.\*

A minimum of three years (six full-time semesters) of undergraduate studies at MU are required before matriculating at the College of Veterinary Medicine.

*\*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.*