MINIMUM STANDARDS FOR PRE-VETERINARY AGSCHOLARS

1. 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.

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

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

9. 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.

10. 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 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 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.
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 or without permanent residency.

Eligibility
• High school seniors and MU freshman seeking admission into the program and who have completed at least two years of high school agricultural science courses; and participation in FFA, 4H, or equivalent organizations with projects directly related to livestock production or health; or equivalent SAT score.
• University of Missouri first-time freshmen: an ACT composite score of 27 or more, or an equivalent SAT score.

Selection
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: April 1
• University of Missouri first-time freshmen: September 15 or April 1
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

For information:
general_education.missouri.edu/requirements

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:

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Required Courses</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>Communications 6 hours</td>
<td>English 1000, Exposition and Argument</td>
<td>3</td>
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<tr>
<td></td>
<td>Communications 1200, Intro to Speech Comm or Ag Ed 2220</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 6 hours</td>
<td>Math 1100, College Algebra (or higher)</td>
<td>3</td>
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<td>Statistics 1200, Introductory Stats Reasoning (or higher)</td>
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<tr>
<td>Biochemistry 3 hours</td>
<td>Biochemistry 3630, General Biochemistry (or higher)</td>
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<tr>
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<td>Biology 1500 or FW1100, General Biology</td>
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<tr>
<td>Biological Sciences 13 hours</td>
<td>AS3213 Genetics</td>
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<tr>
<td></td>
<td>AS3254 with Lab Physics of Domestic Animals or MPR</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Physics 1210 and 1220</td>
<td>8</td>
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<tr>
<td>Physics 8 hours</td>
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<tr>
<td>Social Sciences 9 hours</td>
<td>Select: Ag Economics 1041 or 1042</td>
<td>3</td>
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<td></td>
<td>Accountancy 2100</td>
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<tr>
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<td>Economics 1014 or 1015</td>
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<td>Finances 1000, 2000</td>
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<td>Finpin 2183</td>
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<td>Select: History 1100, 1200 or 2440</td>
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<tr>
<td></td>
<td>Pol Sci 1100 or 2100</td>
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<td>Select: Approved social/behavioral science</td>
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<td></td>
<td>Select from: <a href="http://generaleducation.missouri.edu">http://generaleducation.missouri.edu</a></td>
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<thead>
<tr>
<th>Divisional Requirements</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>Freshman Year (9 credits)</td>
<td></td>
</tr>
<tr>
<td>An_Sci 1010 Orientation to Animal Sciences (f)</td>
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<tr>
<td>An_Sci 1165 Bio of Anim Prod I w/lab (f, sp)</td>
<td>4</td>
</tr>
<tr>
<td>An_Sci 1175 Bio of Anim Prod II w/lab (f, sp)</td>
<td>4</td>
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<tr>
<td>1001 if prior to Spring 2018</td>
<td></td>
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Sophomore Year (9 credits)
AS 2001 LST 1 Topics (Careers in Animal Science; f) | 1   |
AS 2214 LST 2 Topics (Animal Products & Biotech, f) | 3   |

Junior Year (15 credits)
AS 3242 (Phys & Appl of Animal Nutrition; f) | 4   |
AS 3264 Physiology of Domestic Animals II (sp) |     |
AS 4314 Repro Physiology (f, sp) | 3   |
AS 4323 Appl Livest Genetics (MRP, sp) or | 3   |
AS 4524 Genomics of Plants & Animals (sp) | 2   |

Senior Year (16-20 credits)
Animal Sciences Production Systems
Select two (one must be WI & P or C-L) | 6   |
AS 4975W Beef Prod & Mgt (sp, 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 4979W Poultry Prod (sp; WI) |     |
Advanced Nutrition (select one) | 3   |
AS 4312 Monogastric Nutrition (f) |     |
AS 4322 Ruminant Nutrition (sp) |     |

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

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

* 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 573-884-6431 for a comprehensive list.
For information:
generaleducation.missouri.edu/requirements