

# MS in Biomedical Sciences with Emphasis in Veterinary Medicine and Surgery

## About the Program

The College of Veterinary Medicine, through the Department of Veterinary Medicine and Surgery, offers graduate work leading to the master of science degree in veterinary biomedical sciences with an emphasis in veterinary medicine and surgery. Many but not all graduate students in this area of study combine their graduate degree training with clinical residency programs leading to board certification in some specialty field within veterinary medicine. The program provides advanced training in anesthesiology, comparative cardiology, equine, food animal and companion animal medicine and surgery, neurology, comparative oncology, comparative ophthalmology, radiation oncology, radiology, nutrition, and theriogenology among other areas. The goal of the Veterinary Medicine and Surgery emphasis area graduate degree-training program is to prepare individuals for investigative careers as specialists in veterinary medicine or as researchers in academia, industry, or governmental settings.

## Degree Requirements

Master's degrees will be conferred on candidates admitted to the graduate degree program who satisfy the general requirements of the MU Graduate School and the specific requirement of the graduate program. Requirements include:

## Advisors and the Advisory Committee

Formulating a plan of study is the joint responsibility of the student, the advisor and the student's advisory committee. An advisory committee of at least three faculty members should be chosen during the first semester of enrollment. The advisory committee offers guidance and is responsible for approving a definitive plan of study.

The advisory group should consist of the major advisor and appropriate faculty members from the department, and at least one other member from another department within the college or university. Members of this committee may be recommended later for appointment to the examining committee. Members of the final examination committee should be chosen in the same manner as the advisory committee.

## Resources and Facilities

Graduate students have ready access to clinical patients, medical records and facilities of the Veterinary Medical Teaching Hospital to aid them in clinical research. The college has its own library. More detailed information regarding the emphasis area of veterinary medicine and surgery can be found at the website <https://cvm.missouri.edu/veterinary-medicine-and-surgery/vms-graduate-program/>.

## Financial Aid from the Program

Some programs require an extra form or statement from those who wish to be considered for internal assistantships, fellowships or other funding packages. Check the program Web site or ask the program contact for details.

## Admissions

### Admission Criteria

Fall deadline: Not Applicable

- Completion of a bachelor's or professional degree.
- Identification of a mentor with graduate faculty standing within the Department of Veterinary Medicine and Surgery.
- Identification of funding (with advice of mentor) for the period of research and study.
- Minimum TOEFL score (when appropriate):

### Internet-based test (iBT)

80

- Approval of admission by the Departmental Graduate Committee.

Departmental Graduate Committee approval will be determined by perceived likelihood of successful completion of the program as based on the academic qualifications of the candidate, match of candidate and faculty advisor, and when requested, a minimum of 3 suitable letters of recommendation.

The majority of MS students within our program are completing specialty residency training programs in some field of veterinary medicine simultaneously with the MS degree. Admission to these programs generally precedes admission to our graduate programs. Applicants may be asked to strengthen any deficiencies in prerequisites to the chosen area of concentration through enrollment in a post- or non-degree graduate student program.

## Required Application Materials

To the Graduate School:

- All required Graduate Admissions documents

Contact: Connie Sievert or Sue Leutschaf  
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Department of Veterinary Medicine and Surgery  
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**Director of Graduate Studies:** Dr Jeffrey Bryan