

# Certificate in Veterinary Science

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This online undergraduate certificate has been developed to help prepare pre-professional students planning a career in veterinary medicine in the areas of biomedical and veterinary terminology, animal handling, sanitation, and welfare. Courses may be used as partial requirement to apply to a college of veterinary medicine. For more information about this program and application instructions, please visit: <https://online.missouri.edu/degrees-programs/mu/veterinary-medicine/veterinary-science/undergrad-cert> (<https://online.missouri.edu/degrees-programs/mu/veterinary-medicine/veterinary-science/undergrad-cert/>)

## Requirements

A total of 16 credit hours in online BIOMED courses are required. Thirteen credit hours are core courses and 3 credit hours are selected from the elective course list.

### Required Core Courses (13 hours)

BIOMED 2110	Biomedical Terminology	3
BIOMED 2111	Veterinary Medical Terminology	1
BIOMED 2120	Essentials of Animal Handling and Physical Restraint	3
BIOMED 2230	Farm Animal Sanitation and Disease Prevention	3
BIOMED 3300	Animal Welfare and Ethics	3

### Electives (4 hours)

BIOMED 1010	Biomedical Career Explorations	1
BIOMED 2130	Introduction to Veterinary Anatomy and Physiology	3
BIOMED 3100	Biomedical Pathophysiology	3
BIOMED 3219	Elements of Comparative Anatomy	3
BIOMED 3326	Principles of Veterinary Pharmacology	3
BIOMED 3400	Domestic Animal Behavior in Veterinary Practice	2
BIOMED 4110	Veterinary Cytology	2
BIOMED 4120	Principles of Toxicology	3
BIOMED 4210	Animal Issues in Disasters	3
BIOMED 4250	Human-Animal Bond in Veterinary Practice	3
BIOMED 4320	Fundamentals of Small Animal Emergency and Critical Care	3
BIOMED 4333	Veterinary Cell Biology	4
BIOMED 4420	Canine and Feline Nutrition	3
BIOMED 4510	Equine Clinical Anatomy: Forelimbs	1

Minimum Academic Standards: Satisfactory completion of a certificate requires a grade point average of at least 3.0 in BIOMED courses and no grade less than a C in all courses.