

Anatomy, Physiology, and Pharmacology

Students must include courses in at least two of the four categories

BMS Core Requirements*

BCHE 7200	Advanced Biochemistry I
BCHE 7210	Advanced Biochemistry II
STAT 7000	Experimental Statistics
VBMS 7280	Physics of Diagnostic Imaging
VBMS 7500	Cellular and Molecular Immunology
VBMS 7520	Eukaryotic Molecular Biology
VBMS 7540	Current Topics in Molecular Virology
VBMS 7710	Advanced Eukaryotic Molecular Biology
VBMS 7720	Developmental Molecular Biology

* For Master's program, a minimum of 6 credit hours are required. For PhD program, a minimum of 12 credit hours are required.

Thesis Option:

Minimum of 4 semester hours of VBMS 7990 Research and Thesis

Non-Thesis Option:

Minimum of 3 semester hours of VBMS 7980 Non-Thesis Research

Maximum of 3 semester hours may be counted toward minimum degree requirements

Pathobiology

Students must include courses in at least two of the four categories

BMS Core Requirements*

BCHE 7200	Advanced Biochemistry I
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STAT 7000	Experimental Statistics
VBMS 7280	Physics of Diagnostic Imaging
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VBMS 7520	Eukaryotic Molecular Biology
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Pathobiology Core

BIOL 6260	Prokaryotic Molecular Genetics
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Pathobiology Electives

STAT 7010	Experimental Statistics II
BCHE 7220	Principles of Cellular and Molecular Enzymology
BCHE 7230	Biochemistry of Macromolecules
VBMS 7450	Selected Topics in Graduate Education Research
VBMS 7460	Bacterial Pathogenesis
VBMS 7470	Advanced Epidemiology
VBMS 7480	Methods in Immunology
VBMS 7490	Diagnostic Techniques in Veterinary Microbiology
VBMS 7530	Experimental Techniques in Molecular and Cell Biology
VBMS 7540	Current Topics in Molecular Virology
VBMS 7640	Mechanisms of Disease
VBMS 7650	Veterinary Protozoology and Entomology
VBMS 7660	Veterinary Helminthology
VBMS 7670	Pathology Parasitic Diseases
VBMS 7970	Research Problems in Biomedical Sciences
VBMS 7990	Research and Thesis in Biomedical Sciences
VBMS 8950	Biomedical Sciences Seminar
VBMS 8990	Research and Dissertation

Thesis Option:

Minimum of 4 semester hours of VBMS 7990 Research and Thesis

Non-Thesis Option:

Minimum of 3 semester hours of VBMS 7980 Non-Thesis Research

Maximum of 3 semester hours may be counted toward minimum degree requirements

Clinical Sciences

Clinical Science Core*

VBMS 7070	Endocrinology
VBMS 7090	Clinical Pharmacology
VBMS 7210	Radiation Biology
VBMS 7470	Advanced Epidemiology
VBMS 7530	Experimental Techniques in Molecular & Cellular Biology
VBMS 7640	Mechanisms of Disease
ANSC 7600	Physiology of Reproduction

* For Master's program, a minimum of 6 credit hours are required. For PhD program, a minimum of 12 credit hours are required.

Thesis Option:

Minimum of 4 semester hours of VBMS 7990 Research and Thesis

Non-Thesis Option:

Minimum of 3 semester hours of VBMS 7980 Non-Thesis Research

Maximum of 3 semester hours may be counted toward minimum degree requirements