

Anatomy, Physiology, and Pharmacology

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

BMS Core Requirements*

BCHE 7200	Advanced Biochemistry I	3
BCHE 7210	Advanced Biochemistry II	3
STAT 7000	Experimental Statistics	4
VBMS 7280	Physics of Diagnostic Imaging	3
VBMS 7500	Cellular and Molecular Immunology	3
VBMS 7520	Eukaryotic Molecular Biology	3
VBMS 7540	Current Topics in Molecular Virology	3
VBMS 7710	Advanced Eukaryotic Molecular Biology	3
VBMS 7720	Developmental Molecular Biology	3

* 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

BMS Core Requirements*

BCHE 7200	Advanced Biochemistry I	3
BCHE 7210	Advanced Biochemistry II	3
STAT 7000	Experimental Statistics	4
VBMS 7280	Physics of Diagnostic Imaging	3
VBMS 7500	Cellular and Molecular Immunology	4
VBMS 7520	Eukaryotic Molecular Biology	4
VBMS 7540	Current Topics in Molecular Virology	3
VBMS 7710	Advanced Eukaryotic Molecular Biology	3
VBMS 7720	Developmental Molecular Biology	3

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

Pathobiology Core

BIOL 6260	Prokaryotic Molecular Genetics	3
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Pathobiology Electives

STAT 7010	Experimental Statistics II	3
BCHE 7220	Principles of Cellular and Molecular Enzymology	3
BCHE 7230	Biochemistry of Macromolecules	3
VBMS 7450	Selected Topics in Graduate Education Research	1
VBMS 7460	Bacterial Pathogenesis	3
VBMS 7470	Advanced Epidemiology	3
VBMS 7480	Methods in Immunology	5
VBMS 7490	Diagnostic Techniques in Veterinary Microbiology	4
VBMS 7530	Experimental Techniques in Molecular and Cell Biology	3
VBMS 7540	Current Topics in Molecular Virology	3
VBMS 7640	Mechanisms of Disease	3
VBMS 7650	Veterinary Protozoology and Entomology	3
VBMS 7660	Veterinary Helminthology	3
VBMS 7670	Pathology Parasitic Diseases	3
VBMS 7970	Research Problems in Biomedical Sciences	1 to 5
VBMS 7990	Research and Thesis in Biomedical Sciences	1 to 10
VBMS 8950	Biomedical Sciences Seminar	1
VBMS 8990	Research and Dissertation	1 to 10

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

BMS Core Requirements*

BCHE 7200	Advanced Biochemistry I	3
BCHE 7210	Advanced Biochemistry II	3
STAT 7000	Experimental Statistics	4
VBMS 7280	Physics of Diagnostic Imaging	3
VBMS 7500	Cellular and Molecular Immunology	4
VBMS 7520	Eukaryotic Molecular Biology	4
VBMS 7540	Current Topics in Molecular Virology	3
VBMS 7710	Advanced Eukaryotic Molecular Biology	3
VBMS 7720	Developmental Molecular Biology	3

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

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