



Proposed Prerequisites for MSB-VCC Program
(all prerequisites can be satisfied with in person OR online courses)

<u>Communication (3 credits)</u>	Course Title	Credits
CO 150 (In person or online)	College Composition	3
<u>Mathematics (5 credits)</u>		
MATH 117 (In person or online)	College Algebra I	1
MATH 118 (In person or online)	College Algebra II	1
STAT 100 (In person)	Statistics Literacy	3
OR STAT 201 (online)	General Statistics	(3)
<u>Biology (6-7 credits)</u>		
LIFE 102 (In person or online With in person labs)	Attributes of Living Systems w/ Lab	4
OR BZ 110 (online)	Principles of Animal Biology	(3)
LIFE 201B (In person)	Introductory Genetics	3
OR SOCR 330 (online)	Principles of Genetics	(3)
<u>Chemistry (4 credits)</u>		
CHEM 103 (In person or online)	Chemistry in Context	3
CHEM 104 (In person or online)	Chemistry in Context Lab	1
<u>Anatomy/Physiology (10 credits)</u>		
BMS 305(In person)	Domestic Animal Gross Anatomy	4
OR VS 333 (online)	Domestic Animal Anatomy	(4)
BMS 360 (In person)	Fundamentals of Physiology	4
OR BMS 300 (online)	Principles of Human Physiology	(4)
BMS 302 (In person)	Laboratory Principles of Physiology	2
OR BMS 320 (In person or online)	Virtual Laboratory in Physiology	(2)
<u>Physics (4-5 credits)</u>		
PH 110 (In person)	Physics of Everyday Phenomena	3
AND PH 111 (In person)	Physics of Everyday Phenomena Lab	1
OR PH 121 (online)	General Physics	(5)
<u>Microbiology (3 credits)</u>		
MIP 300 (In person or online)	General Microbiology	<u>3</u>
	Total Prerequisite Credits =	35- 37



Curriculum for MSB-VCC Degree

1st Semester (online)

VS 501 Animal Behavior & Welfare	2
VS 502 Clinical Anatomy	2
VS 503 Principles of Radiology and Ultrasound	2
VS 504 Infectious Pathogens and Parasites	3
VS 506 Pathologic Basis of Disease	3
VS 526 Foundations I (Communications, History, Physical Exam, Surgical Skills)	<u>2</u>
Total Semester Credits =	14

2nd Semester (online)

VS 521 Nutrition and Metabolism	2
VS 522 Toxicology	1
VS 523 Clinical Pharmacology	3
VS 547 Common Diseases of Body Systems I	3
VS 535 Practice Management & Team Leadership	2
VS 527 Foundations II (Communications, Clinical Reasoning)	<u>2</u>
Total Semester Credits =	13

3rd Semester (online)

VS 541 Fundamentals of Shelter Medicine	1
VS 542 Principles of Anesthesia	2
VS 543 Principles of Surgery	2
VS 544 Preventative Medicine	2
VS 548 Common Diseases of Body Systems II	3
VS 545 Issues in Veterinary Medicine	1
VS 528 Foundations III (Communications, Clinical Reasoning, Medical Records)	<u>2</u>
Total Semester Credits =	13

4th Semester (in person)

VS 601 Physical Exam and Routine Care Lab	2
VS 603 Anesthesia Lab	2
VS 604 Diagnostics Lab	2
VS 607 Clinical Skills Lab	2
VS 608 Communications Lab	1
VS 609 Surgical Skills Lab	2
VS 610 Dentistry Skills Lab	<u>2</u>
Total Semester Credits =	13

5th Semester (practicum/internship)

VS 687 Clinical Internship	12
Total Semester Credits =	12
Total Program Credits =	65