



Proposed MSB VCC Admission Requirements

*Details in this document may change slightly after final approval of the MSB VCC program.

A bachelor's degree is required:

Any bachelor's degree is accepted if completed at an institution accredited by the Council for Higher Education Accreditation (CHEA).

Prerequisite courses: See list of proposed prerequisite courses, final page

A single course may only count toward one prerequisite. You must identify a unique course for each prerequisite requirement.

Online courses are accepted if they are taken for credit with a grade and show as completed on an official transcript. Courses taken at vocational and proprietary schools will not be accepted. AP courses must appear on an official college transcript.

Microbiology, anatomy, and systems physiology are recommended to have been taken within the last five years. All other prerequisite courses are recommended to have been taken within ten years. A recent demonstration of an ability to handle an upper-division biomedical science curriculum is strongly encouraged.

Candidates may apply before completing all required courses and can be admitted under provisional admission. If provisionally admitted, final transcripts must be received by July 15 of the year you matriculate.

The course description, content level, prerequisites, number of credits, and a grade of C- or above must meet the requirements of the prerequisites listed below.

Transfer of credits:

Details on the Graduate School's transfer policies can be found at

<https://graduateschool.colostate.edu/policies-and-procedures/transfer-credits/>

Specific questions associated with transfer of credits to fulfill prerequisite courses can be answered upon full program approval of the program. Any transfer of credits will need to have been completed at an institution accredited by the Council for Higher Education Accreditation (CHEA).

Letters of recommendation:

Two letters of recommendation are required. We highly recommend one be written by a veterinarian and suggest selecting an academic or employment source for the second letter. Overall, you should select recommenders with whom you are most comfortable.

Select references carefully and contact them early. Ensure the people you choose to write your letters of recommendation really know who you are and share your educational and career goals with them. Ask them well in advance so they have time to prepare a genuine recommendation. Recommendations that can speak to both academic and non-academic experiences will provide valuable insights – these can be from faculty, advisors, or supervisors, for example.

Veterinary hours:

A minimum of 150 veterinary experience hours is required for all applicants.



COLLEGE OF VETERINARY MEDICINE
AND BIOMEDICAL SCIENCES
COLORADO STATE UNIVERSITY

Essays: Three essays required, maximum 3,000 characters each

Personal Experience:

Paint a complete picture of who you are. We value the diverse contributions of each candidate, so demonstrate what makes you unique throughout your application and in the personal essay. Think about veterinary, animal, employment, and research experiences, community or volunteer involvement, awards and honors, etc.

Veterinary Experience:

Share your experience working with animals and in the veterinary field. Demonstrate responsibility with animals outside of pet ownership.

Tips for creating a strong application

Demonstrate quality academic performance and prove that you're ready for the rigor of the MSB VCC program. When reviewing applications, we take into consideration the quality of the academic program, number and quality of upper-level biomedical science courses, ability to carry a full schedule of courses, employment during academic terms, course and degree variety, academic trends, experience in the veterinary field, and special circumstances.



Proposed Prerequisites for MSB-VCC Program

(Equivalent courses from CHEA accredited institutions are accepted)

Communication (3 credits)	Course Title	Credits
CO 150 (In person or online)	College Composition	3
Mathematics (5 credits)		
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)
Biology (6-7 credits)		
LIFE 102 (In person or online with in person labs)	Attributes of Living Systems w/ Lab	4
LIFE 201B (In person)	Introductory Genetics	3
OR SOCR 330 (online)	Principles of Genetics	(3)
Chemistry (4 credits)		
CHEM 107 (In person or online)	Fundamentals of Chemistry	4
CHEM 245 (In person or online)	Fundamentals of Organic Chemistry	4
OR CHEM 341 (In person)	Modern Organic Chemistry I	(3)
Anatomy/Physiology (10 credits)		
BMS 305(In person)	Domestic Animal Gross Anatomy	4
OR VS 333 (online)	Domestic Animal Anatomy	(4)
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)
Physics (4-5 credits)		
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)
Microbiology (3 credits)		
MIP 300 (In person or online)	General Microbiology	3
	Total Prerequisite Credits =	<hr/> 39-41



Proposed 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)	2
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)	2
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)	2
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	2
Cumulative Final exam	
Special Project (Case Study)	

Total Semester Credits =

13

5th Semester (practicum/internship)

VS 687 Clinical Internship: Training in clinical procedures and application of clinical reasoning for the diagnosis, treatment, and prevention of animal diseases, integrating principles of communication, teamwork, and professionalism.	12
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Total Semester Credits =

12

Total Program Credits = **65**