



**DOCTOR OF VETERINARY
MEDICINE PROGRAM**
COLORADO STATE UNIVERSITY

2019 VET PREP PROGRAM GUIDELINES

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Program Overview

The College of Veterinary Medicine and Biomedical Sciences at Colorado State University offers a year-long program to assist disadvantaged students in obtaining the Doctor of Veterinary Medicine (DVM) degree. Vet Prep students have been very successful in this program and have a high rate of graduation with their CSU DVM degree. The program offers coursework and mentoring to selected students who, upon successful completion of the one-year program and requirements, to include Colorado domicile, will be admitted to the Doctor of Veterinary Medicine program in a Colorado sponsored position at Colorado State University.

The College receives many more qualified applicants than can be admitted directly into the DVM program. The Vet Prep program offers an opportunity to recruit top students with a guaranteed admission with the commitment to enhancing the diversity of the veterinary program. Vet Prep students are selected because of their outstanding application in addition to their disadvantaged background. The typical admitted Vet Prep candidate has a disadvantage claim, a stellar general application, and some evidence that he/she could benefit from academic strengthening prior to matriculation in the veterinary program. In addition to mentoring, academic support, and social support network, the Vet Prep program provides additional academic preparation.

Candidate Selection and Eligibility

The Veterinary Admissions Committee ranks qualified disadvantaged applicants in parallel to the traditional admissions review and selects the top 10 applicants to be offered positions in the Vet Prep Program.

Disadvantaged circumstances are evaluated as a demonstration of one or a combination of the following economic, educational and cultural-social factors:

- Economic factors: low income status of applicant and family unit prior to college entrance and pre-veterinary education; level of financial support provided by applicant to the family unit or household prior and during pre-veterinary education; history of financial aid need and award.

- Educational factors: inadequate early education because of frequent change of schools during elementary and secondary education; unusual number of hours of employment or necessitated other time commitments for supporting self or family unit during high school and pre-veterinary education; lack of exposure to academic role models and of participation in sound educational programs.
- Cultural/environmental factors: born to immigrant parents; reared in an ethnic minority culture; reared in a family with English as a second language; experienced cultural stress as a result of transition from a predominantly ethnic minority community to an academic environment; reared in an economically depressed area; reared by someone other than parents; reared in an environment lacking exposure to opportunities offered by higher education; reared in an environment of abuse such as alcohol, drugs, child abuse and other physical abuse; experienced environmental challenges as a result of an underrepresented cultural or personal identity.

Admission and Enrollment in the Vet Prep Program

Candidates who accept an offer into the Vet Prep Program may choose from several ***Vet Prep Program Enrollment Options*** through enrollment into select CSU undergraduate or graduate programs. Vet Prep candidates should work closely with the Vet Prep Program Advisor to discuss program options and enrollment considerations.

No additional applications are necessary if the candidate pursues the undergraduate option as we will forward your application materials to the CSU Admissions Office; however, candidates who chose to pursue a master's degree will be required to submit the CSU graduate school application.

Administrative Expectations

- **Critical: Establish Colorado domicile by end of July 2019**
 - Vet Prep students must establish domicile no later than one year prior to the planned date of matriculation into the DVM program the following fall. It is recommended that you move to Colorado by the end of July to begin the process to establish domicile by the required date.
 - It is the responsibility of the Vet Prep student to take the steps necessary to establish domicile.
 - ALL VET PREP STUDENTS ARE **REQUIRED** to contact LeAnne Schnader (leanne.schnader@colostate.edu) at the Tuition Classification Office for more information.
- **Required Vet Prep Orientation, Monday, August 19, 2019 at CSU**
 - New Vet Prep students are required to attend a half-day orientation in Fort Collins to meet participating faculty, staff, and peer mentors to review program expectations and details.
 - Details will be provided during the summer via email.

- **Update Colorado Supplemental Application**
 - Candidates must update their contact and residency information in the CSU DVM Colorado Supplemental Application in early August 2019.
- **Submit FAFSA form** if requesting financial aid for the Vet Prep year. The student will need to submit/modify this information in preparation for entry into the DVM program as well.

Academic Expectations

The goal of the academic component of the Vet Prep program is to support the readiness of the candidate for the rigor of the DVM program. All Vet Prep program options provide foundational coursework for the DVM program with the intent to reduce the academic burden on the student during the DVM program by lessening the “newness” of the material, introducing the students to CVMBS faculty and facilities, and connecting the student to CSU and CVMBS resources prior to DVM program entry.

Regardless of the ***Vet Prep Program Enrollment Option*** selected, all Vet Prep students have basic requirements that must be met for guaranteed admittance to the DVM program in the year following the Vet Prep year. Vet Prep students must meet the following expectations:

- Achieve a cumulative 3.0 GPA by the end of the Spring semester of the Vet Prep year.
- Achieve a C or better in all coursework with the understanding that earning a D or F will result in an automatic dismissal from Vet Prep including denied admittance into the DVM program.
- Students pursuing the Professional Master’s options are expected to sit their comprehensive final exams related to their program.

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Vet Prep Program Enrollment Options

Fulltime Undergraduate Option

Vet Prep students selecting this option must enroll full-time (12 credits) in both the fall and the spring semesters of the Vet Prep year. No degree will be awarded at the end of this course of work. By default, students will be registered as a second-degree Microbiology candidate. There is no need to apply to CSU's undergraduate program as your DVM application materials will be forwarded to the CSU Admissions Office. If additional documentation is required, you will be notified.

With advisement from the Vet Prep Advisor, **required** course work includes:

Fall Semester

- 4 credits of Physiology (BMS300, BMS360 or BMS501, dependent on candidate's previous physiology coursework)
- VS 495 Independent Study (1 credit; weekly 1-hour session of leadership development and other topics facilitated by the Vet Prep Advisor)
- 7 credits of 300+ level science electives

Spring Semester

- BMS 305 Domestic Animal Gross Anatomy (4 credits)
- BMS 531 Domestic Animal Gross Anatomy Laboratory Dissection (3 credits), is a recommended elective to BMS 305
- VS 495 Independent Study/Seminar (1 credit; weekly 1-hour session of leadership development and other topics facilitated by the Vet Prep Advisor)
- 4 credits of 300+ level science electives

MsPro Graduate Option

CSU CVMBS offers several Professional Master's Degree (MsPro, non-thesis, Plan B) options. A Master's degree will be conferred on the candidate after successful completion of the MsPro program requirements.

All MsPro students will be required to complete the following coursework required by the Vet Prep program. MsPro Program options allow for completion of these requirements either through MsPro core required courses or elective coursework.

In addition to or as part of the MsPro Program, the Vet Prep student must complete in the Fall semester:

- 4 credits of Physiology (BMS300, BMS360 or BMS501)
*MSPro in MIP exempt – see program description below.
- VS 495 Independent Study (1 credit; weekly 1-hour session of leadership development and other topics facilitated by the Vet Prep Advisor)

In addition to or as part of the MsPro Program, the Vet Prep student must

complete in the Spring Semester:

- BMS 305 Domestic Animal Gross Anatomy (4 credits)
- VS 495 Independent Study/Seminar (1 credit; weekly 1-hour session of leadership development and other topics facilitated by the Vet Prep Advisor)

Graduate Program Options in Toxicology, Biomedical Science, or Microbiology-Immunology

Select one of the following master's degree (Professional/Non-thesis) options. Some program options require a graduate application to be submitted by **April 1st**.

- **Toxicology MPro (1 year) Option** –Master's degree (Professional/Non-thesis) in Toxicology.
<http://csu-cvmb.colostate.edu/academics/erhs/cem/Pages/toxicology-professional-masters.aspx>
- **Overview** - The academic training in the MS (Toxicology) program will provide a clear understanding of clinical and diagnostic toxicology, pharmacology, toxicological pathology, metabolism and distribution and an exposure to research in the field of toxicology. The ability of highly motivated students within this Program to acquire an advanced degree before entering into the DVM program provides a stepping-stone for achieving future residency programs, doctoral programs and/or faculty status at different institutions. The advanced degree of this Program will prepare candidates academically for the DVM program as well as for future careers in veterinary toxicology either in academia, the private sector, or research.
- **Courses** - Completion of the degree program requires a minimum of 32 credit hours. A maximum of 9 credit hours of previous graduate work in appropriate areas of study may be transferred with departmental approval.
 - The program includes 12 credits of core Toxicology courses, 10 credits of Toxicology and seminar electives, and an additional 10 credits of general electives, enabling the student, in consultation with the faculty advisor, to plan an individual course of study that is responsive to the student's needs and interests.
 - General electives within this program will include courses for the VetPrep curriculum.
 - Recommended Toxicology Courses for **Fall**
 - ERHS502 Fundamentals of Toxicology
 - ERHS603 Toxicological Pathology
 - Electives chosen by the student and faculty mentor
 - Recommended Toxicology Courses for **Spring**
 - ERHS601 Metabolism and Distribution of Toxic Agents
 - ERHS602 Mechanisms of Toxicity
 - Electives chosen by the student and faculty mentor
- **Summer** - Electives chosen as needed by the student and Tox faculty

mentor as appropriate for the student.

- **Comprehensive Examination** - is taken early in the summer to fulfill the requirements for the MS degree. They are given the second week after spring finals.
- **Biomedical Sciences MPro (1 year) Option** – Master’s degree (Professional/Non-thesis) in Biomedical Sciences. **Application deadline is April 1st**. Applicants will be notified of acceptance in April. A denial in application to the MSB-BMS will NOT affect Vet Prep status. <http://csu-cvmb.colostate.edu/academics/bms/Pages/one-year-master-science-biomedical-sciences-how-to-apply.aspx>
 - **Overview** – The MS in Biomedical Sciences (professional) emphasizes anatomy, physiology, and cellular processes and features animal cadaver laboratories as part of the standard curriculum. The master's program provides students unique opportunities which prepare you for the first year of professional school. Vet Prep students will select the **Animal Anatomy** concentration.
 - **Courses** – The BMS MPro option requires completion of 32 hours of coursework consisting of a core curriculum plus electives. The electives may be selected from university-wide offerings as long as they are 300-level or greater.
 - This program assumes a fairly substantial and broad background in science. Although applicants' background coursework is evaluated on an individual basis, the strongest applicants have had some biology, chemistry, physiology, cell biology, genetics, etc.
 - Background course work in physiology (BMS300) is strongly recommended prior to entry.
 - Core required courses include
 - Managing a Career in Science - BMS610A (1 credit; Fall semester)
 - Mammalian Physiology I - BMS500 (4 credits; Fall semester)
 - Mammalian Physiology II - BMS501 (4 credits; Spring semester)
 - Neuroanatomy - BMS545 (5 credits; Spring semester)
 - Domestic Animal Dissection - BMS531/633 (5 credits; Spring semester)*
 - *Vet Preps please note - Although not stated online, **BMS 305 is required** for enrollment in to the required BMS 531 as a prerequisite. VS333 Domestic Animal Anatomy (Online) is not a substitution for BMS305. This will increase your total credit load to 36 credits.
 - **Comprehensive Examination** - is taken early in the summer to fulfill the requirements for the MS degree. They are usually given the last week in May.

- **Microbiology-Immunology MSPro (1 year) Option** – Master’s degree (Professional/Non-thesis) in Microbiology-Immunology. **Application deadline is April 1st**. A denial in application to the MSB-MIP will NOT affect Vet Prep status.
<http://csu-cvmb.colostate.edu/academics/mip/graduate/Pages/microbiology-immunology-professional-masters.aspx>
 - **Overview** – A master's in microbiology-immunology prepares you to meet the exciting industry growth in biotechnology and industry specialization in microbiology. The Department of Microbiology, Immunology and Pathology is a recognized leader in infectious disease basic and translational research with over \$144 million in active extramurally funded research programs, many interfacing with industrial partners.
 - **Courses** – A minimum of 30 semester credits (300 level or above) in coursework is required; 16 credits will be track-specific core courses 500 level or above.
 - Vet Prep students who select the MsPro option in MIP will be **exempt** from the Physiology requirement as the coursework dedicated to virology, microbiology, and immunology will provide foundational coursework that will support the candidate’s success in the DVM program.
 - MIP-MS B students will still be required to complete the Vet Prep seminar VS 495 (Fall and Spring) and Anatomy BMS 305 (Spring) requirements however. The BMS 305 requirement will increase your total program credit load to 34 credits.
 - Required for MsPro in MIP
 - MIP611 Advanced Laboratory Techniques – Theory and Practice 4 Credits (F)
 - MIP613 Applied Microbiology and Virology – 4 credits (F)
 - MIP616 Modern Molecular Biology - 4 credits (F)
 - MIP612 Applied Immunology – 3 credits (S)
 - MIP617 Principles of Biodefense and Emerging Pathogens – 3 credits (S)
 - MIP614 Medical Microbiology – 3 credits (S)
 - MIP619 MIP MS-B Topics – 2 credits (F/S)
 - MIP540 Biosafety in Research Laboratories – 2 credits (F/S)
 - MIP654 Research Policies and Regulations – 1 credit (F/S)
 - * VS 495 Independent Study -Vet Prep Seminar will satisfy the MIP618 MIP MS-B Seminar Series requirement of the program- 1 credit taken both Fall and Spring semesters (F/S)
 - **Completion of a Scholarly Paper** A scholarly paper will be required of each student as a requirement for the degree. The content and style of the paper will be determined by the Masters of Science (professional) Graduate Committee.

Guaranteed Admission to the DVM Program

All students who are admitted to and successfully complete all Vet Prep program requirements will be automatically admitted to the DVM Program the following year.

In order to meet the guaranteed admissions provision, students must:

1. **Obtain a C grade or better in all coursework** (including fall and spring courses).
2. **Complete all academic requirements with a minimum cumulative GPA of 3.0** (including fall and spring semesters).
3. **Be eligible for a Colorado sponsored position via having established domicile by the appropriate date** (alternately student will have the option of a guaranteed Non-sponsored position).
4. **Have Updated the Colorado Supplemental application** at the time of Vet Prep orientation.

Appeal of Dismissal

Students who are dismissed from the VetPrep Program for failing to maintain minimum grade requirements may appeal the decision within 30 days. Appeals must be in writing and directed to the Director, Veterinary Admissions.

Costs and Scholarship

Students in the Vet Prep Program will have to pay tuition based on their tuition classification as of fall 2019, but will receive a \$10,000 scholarship to help offset tuition costs during the Vet Prep year in either the undergraduate or graduate program option. This \$10,000 award is given in August 2019 (\$5,000) and again in January 2020 (\$5,000) to the student's CSU tuition account. If you are dismissed during the first semester, you will not receive the second semester scholarship.

Candidates should consider if they have loan funds available for either program. In some cases, a student may find that they have reached their undergraduate loan maximums and must pursue the graduate degree option in order to access the graduate loan maximums. Financial Advising is available through CVMBS free of charge. Please contact the Vet Prep Program Advisor for the Financial Advisor contact.

- **Fulltime Undergraduate Option**
Fall 2019 and spring 2020 semesters you will have to pay undergraduate tuition and fees. Colorado sponsored full-time undergraduate tuition and fees are currently approximately \$6,200 per semester (\$12,400 approximate total cost). If you are not currently a Colorado resident, full-time undergraduate non-resident tuition and fees are approximately \$15,100 per semester (\$30,200 approximate total cost).
- **MS Program Option(s)**

For students who elect a MSPro option, the total cost is approximately \$15,500 for a CO resident and approximately \$30,200 for non-resident students (tuition, fees, and special program charges). Fees are on a per credit basis. Total costs will vary between MsPro options due to credit requirement differences.

We believe strongly in the value of the VetPrep Program and the students in the program. Non-resident VetPrep students are strongly encouraged to establish domicile in CO to become eligible to pay the CO-sponsored tuition rate during veterinary school, which will result in a cost savings of at least \$130,000. Once you matriculate into the DVM Program you are eligible to apply for the many scholarships that are given to DVM students annually. The College gives over \$1.6 million dollars a year to current DVM students, so there are many opportunities for scholarships once enrolled as a DVM student.

About CSU and Fort Collins

CSU's veterinary program is ranked as #3 in the nation by US News and World Report. It is the anchor to the CSU campus. For more information about the CSU campus, access the general website at www.colostate.edu. A good site to visit that will surely convince you to attend CSU's veterinary program is <http://csu-cvmb.colostate.edu/dvm-program/Pages/Why-Choose-CSU.aspx>. CSU focuses on sustainability by providing safe alternative means of transportation options and encourages stewardship, conservation, and protection of the world in which we live, work, and play.

Updated Nov. 25, 2018