



PRE-PROFESSIONAL STUDIES

## PRE-VETERINARY MEDICINE

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A veterinarian specializes in the diagnosis, treatment, and prevention of diseases in animals. Veterinarians treat both domestic animals and livestock in a variety of settings.

The University of Winnipeg is an excellent place to fulfill the admission requirements for the Western College of Veterinary Medicine at the University of Saskatchewan, or for other veterinary medicine programs.

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### YOUR EDUCATION

#### PRE-Veterinary Medicine at The University of Winnipeg

- To meet the entrance requirements of the Western College of Veterinary Medicine, you will complete **60 credit hours of study**, including the “Pre-Professional Requirements” outlined below. **Although the required 60 credit hours can be completed in two academic years, it is recommended that you spread these challenging courses over three years or more of full-time study** (enough time for you to earn a Bachelor’s degree).
- Applicants must have a minimum cumulative average of 75% to be considered for admission.
- You should see a Faculty Advisor - Professor Craig (Dept. of Chemistry) or Professor Rittberg (Dept. of Biology) - for assistance in planning your program of study after completing 24-30 credit hours.

#### Professional Studies: Veterinary Medicine

- In the final year of your pre-professional studies at The University of Winnipeg, you will apply for admission to veterinary medicine at another university.
  - Enrolment in veterinary medicine is limited, and only highly qualified applicants are chosen.
  - A minimum of four more years of study is required to complete the veterinary medicine program.
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### PRE-PROFESSIONAL REQUIREMENTS

Most students who study Pre-Veterinary Medicine at The University of Winnipeg will apply for admission to the Western College of Veterinary Medicine at the University of Saskatchewan. The courses listed below and on the next page are University of Winnipeg courses that satisfy the Western College of Veterinary Medicine’s entrance requirements.

**ENGL-1001(6) English 1 OR 6 credits: ENGL-1000(3) English 1A, ENGL-1003(3) Intro Topics in Literature, ENGL-1004(3) Intro Reading Culture, ENGL-1005(3) Intro Reading to Write Creatively**  
**CHEM-1111(3) Introduction to the Chemical Properties of Matter**  
**CHEM-1112(3) Basic Principles of Chemical Reactivity**  
**CHEM-2202(3) Organic Chemistry I**  
**CHEM-2502(3) Introduction to Biochemistry OR CHEM-3502(3) Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules**

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**PHYS-1101(6) Foundations of Physics I OR PHYS-1301(6) Introduction to Physics**  
**BIOL-1115(3) Cells and Cellular Processes**  
**BIOL-1116(3) Evolution, Ecology, and Biodiversity**  
**BIOL-2301(3) Genetics**  
**BIOL-2902(3) Biology of Bacteria and Archaea**  
**6 credit hours in Mathematics or Statistics**  
**21 credit hours of electives (3 credit hours will be covered by taking the 6 credits in PHYS)**

### **YOU SHOULD ALSO KNOW...**

- Because the Western College of Veterinary Medicine was established to serve the needs of western Canada, priority is given to residents of the western provinces (British Columbia, Alberta, Saskatchewan, and Manitoba). A limited number of spaces are reserved for students from each province. **Manitoba is allotted space for 15 students each year.** For more information on the College, visit their web site at [www.usask.ca/wcvm](http://www.usask.ca/wcvm)
- The application deadline for the Western College of Veterinary Medicine is in **December 1st.**
- Although quality animal and veterinary experience are not specific requirements, applicants without significant animal and veterinary experience are rarely successful in being admitted to a school of Veterinary Medicine.
- The Western College of Veterinary Medicine requires all applicants to have a **minimum cumulative average of 75% in order to be considered for admission.** An interview is part of the selection process. For details on the Educational Equity Program for Aboriginal students, contact the Western College of Veterinary Medicine.
- There are five colleges of veterinary medicine in Canada, located in Saskatoon, Charlottetown, Guelph, Montreal, and Calgary (Alberta residents only). With few exceptions, applicants living west of the Ontario border must attend the Western College of Veterinary Medicine in Saskatoon. Another option for Manitoban students is the College of Veterinary Medicine at the University of Minnesota.

Note: You must consult with the school where you plan to complete your studies to ensure you choose an appropriate set of courses, and that you will meet the entrance requirements for your Veterinary Medicine program of choice.

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### **REQUIRED HIGH SCHOOL COURSES**

There are no specific high school requirements for the DVM program. However the following high school courses are often required to take pre-veterinary courses. Therefore, in addition to meeting The University of Winnipeg's general admission requirements, you will need **Chemistry 40S**, and either **Pre-Calculus Mathematics 40S** or **Applied Mathematics 40S**. Biology 40S and Physics 40S are recommended.

*What if I don't have these high school courses?* You can still pursue your pre-professional studies, but you might not be able to enroll in certain courses until you obtain the pre-requisites. There are two ways you can do this here: take "Foundation" courses at UWinnipeg that are equivalent to high school-level math and science (MATH-0041 & MATH-0042; CHEM-0100) or complete high school courses at The Collegiate

### **HOW TO APPLY**

For details on application requirements and deadlines, and to apply online, please visit: [uwinnipeg.ca/apply](http://uwinnipeg.ca/apply).

Note: Admission to The University of Winnipeg does not guarantee admission to Veterinary Medicine.

(In any case where the University's Academic Calendar and this fact sheet differ, the current Calendar takes precedence.)

### **CONTACT US**

**Academic Advising**  
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