



PRE-PROFESSIONAL STUDIES

## PRE-MEDICINE

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Medical doctors are responsible for the diagnosis, treatment, and prevention of disease. The University of Winnipeg is an excellent place to fulfil the admission requirements for Medicine at the University of Manitoba or other universities across Canada.

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### YOUR EDUCATION

#### Years 1-3: Pre-Medicine at The University of Winnipeg

- Every faculty of medicine has its own entrance requirements. You must consult with the school where you plan to complete your medical studies to ensure you choose an appropriate set of courses.
- To meet the entrance requirements for Medicine at the University of Manitoba, you must complete a three-year (90 credit hour) degree, including the “Pre-Professional Requirements”- see below.
- You will graduate from UWinnipeg with a Bachelor’s degree. While there are required and recommended courses, there is no one degree or program that is required for entry to medicine.

#### Years 4-7+: Professional Studies: Medicine

- After you complete your pre-professional studies at UWinnipeg, you will apply for admission to the faculty of medicine at another university.
  - Enrolment in medical programs is limited, and only highly qualified applicants are chosen. Admission to medicine is based on an outstanding academic record, performance on the Medical College Admissions Test, and non-academic qualifications.
  - A minimum of three additional years of study is required (four at the University of Manitoba). Once you have completed an MD degree, you will do a residency that will take two or more years, depending on your specialty.
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### PRE-PROFESSIONAL REQUIREMENTS

Many students who study Pre-Medicine at UWinnipeg will apply for admission to the Faculty of Medicine at the UManitoba, but you may choose to apply elsewhere. The courses listed below are UWinnipeg courses that satisfy the UManitoba’s entrance requirements for Medicine. Students must receive a Bachelor’s degree by June 30<sup>th</sup> with a 3.30 adjusted GPA.

- 18 credit hours from the Social Sciences and/or Humanities. (Note: MCAT exam additionally tests concepts that are taught at most colleges in first-semester courses in biochemistry, psychology, and sociology).
  - 6 credit hours in Biochemistry with a minimum mark of C
  - CHEM-3502(3) Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules *AND* CHEM-3503(3) Intermediate Biochemistry II: Intermediary Metabolism (Note: Prerequisites for CHEM-3502(3) are CHEM-1111(3), CHEM-1112(3), CHEM-2202(3), and BIOL-1115(3) or the former BIOL-1111(6). Students are advised to take these courses within their first two years.)
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- Knowledge in biology and physics is required to perform well on the MCAT. Therefore, students are also strongly advised to take BIOL-1116(3) Evolution, Ecology, and Biodiversity and PHYS-1301(6) Introduction to Physics prior to writing the test.

**Please see the University of Manitoba College of Medicine Applicant Information Bulletin for complete details.** As admission requirements may change from year to year, students are encouraged to review the Bulletin yearly in anticipation of any changes that need to be incorporated into their plans.

## OTHER QUESTIONS....

**What is the MCAT?** The Medical College Admissions Test is a standardized test that is administered periodically during the year, but you must take the test no later than early September of the year preceding your application. Since seating is limited in early September, examinees are strongly encouraged to register for test dates in May, June, July or August. The MCAT assesses mastery of basic concepts in biology, chemistry, and physics, facility with scientific problem solving, and critical thinking and writing skills. You can take a preparatory course offered by a private company or you may choose to prepare on your own.

**Where can I study Medicine?** You may apply to study medicine at any of the 17 Faculties of Medicine in Canada, or apply to medical school in the United States or elsewhere. Explore your options in Canada at [www.afmc.ca](http://www.afmc.ca) Note: The University of Saskatchewan College of Medicine now requires a 4-year degree for entrance to undergraduate medical studies.

**When should I plan to graduate? write the MCAT?** Students applying to the UManitoba must be eligible to receive a Bachelor's degree no later than the Spring Convocation of the year in which they seek admission to the Faculty of Medicine. Students must write the MCAT no later than August of the year preceding application.

**What other factors are considered?** The Personal Assessment Score (based on an interview and reference check) relates to your personal attributes, volunteer/work experience, and reasons for pursuing Medicine; it is an important factor in getting into Medicine.

## REQUIRED HIGH SCHOOL COURSES

You must meet The University of Winnipeg's general admission requirements. In addition, you need to have **Chemistry 40S** and **either Pre-Calculus Mathematics 40S or Applied Mathematics 40S** in order to take some of the required courses for admission to medicine. Biology 40S, Physics 40S and Pre-Calculus Mathematics 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 to UWinnipeg, please visit: [uwinnipeg.ca/apply](http://uwinnipeg.ca/apply).

**Reminder:** Admission to The University of Winnipeg does not guarantee admission to medicine.

**International students:** You are welcome to take the pre-professional courses at UWinnipeg, but you are not eligible to apply to the medicine

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

## CONTACT US

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