



# THE UNIVERSITY OF WINNIPEG

For more information visit [www.uwinnipeg.ca](http://www.uwinnipeg.ca) or contact a student recruitment officer at [welcome@uwinnipeg.ca](mailto:welcome@uwinnipeg.ca) or 204.786.9844. In any case where The University of Winnipeg Course Calendar and this fact sheet differ, the current Calendar takes precedence.

## Pre-Medicine 2012 - 2013

*Medical doctors are responsible for the diagnosis, treatment, and prevention of disease.*

You have the vision, determination, and passion to become a medical doctor, and you're looking for a university with a strong reputation, personal attention, and excellent research opportunities to help you gain admission to medical school. Come to The University of Winnipeg for your pre-professional studies and put our small class sizes, community atmosphere, central location, and reputation for excellence to work for you.

Our campus is **located in the heart of downtown Winnipeg**—central to Winnipeg's medical library, major hospitals, research centres, and labs such as the National Microbiology Laboratory and the National Research Council's Institute for Biodiagnostics; it's a great location for studying, volunteering, research, and entertainment.

As a University of Winnipeg student, you will get to know your professors and other students because of our **small classes and community atmosphere**. Our excellent professors – including five Canada Research Chairs – are supportive and accessible, contributing to the many successes of our students.

With students at the second, third, and fourth-year levels doing research alongside some of our most innovative professors, we offer you **research opportunities** that are not available to undergraduate students at other universities. You can also gain **hands-on experience** in your area of study, by working as a marker or lab demonstrator, participant in co-op programs and practicum placements, and getting involved with one of the many active student groups on campus.

### YOUR EDUCATION

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

- 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.
- Each faculty of medicine has its own entrance requirements. To meet the entrance requirements for Medicine at the University of Manitoba, you will complete a **three-year (90 credit hour) degree**, including the "Pre-Professional Requirements" listed on page 2
- You will graduate from The University of Winnipeg with a **Bachelor of Science or Bachelor of Arts** degree. The degree you earn will depend on your course selection and interests; 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 The University of Winnipeg, 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 more 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.

### YOUR FIRST YEAR

We are committed to helping you have a smooth transition from high school to university. You will attend a First Year Survival Session and other orientation sessions to prepare you for university life and introduce you to the facilities and services you will need on campus. We recommend that you choose one of the various sections of

Academic Writing to learn the essential strategies for university writing and research. Our Tutoring Centre (3rd floor of Graham Hall) offers peer tutoring to help you develop your writing skills, and in case you need it, our Learning Centre offers free tutoring in chemistry, math, and physics.

### **YOUR SUCCESS**

The University of Winnipeg has a rich history of academic excellence and a reputation for providing thorough preparation for professional and graduate programs at other universities. We offer the courses, supports, and challenges you will need to get into medical school and build a rewarding, successful career as a medical doctor.

### **PREPARING FOR 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 August of the year preceding your application. Since seating is limited in August, examinees are strongly encouraged to register for test dates in May, June, or July. The MCAT assesses mastery of basic concepts in biology, chemistry, and physics, facility with scientific problem solving, and critical thinking and writing skills. You may find it helpful to take a preparatory course offered by a private company or you may choose to prepare on your own.

### **REQUIRED HIGH SCHOOL COURSES**

In addition to meeting The University of Winnipeg's general admission requirements, you must have Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S in order to take the required courses for admission to medicine. Biology 40S, Physics 40S and Pre-Calculus Mathematics 40S are recommended. In addition, the following high school courses are required.

### **IN CASE YOU CHANGE YOUR MIND**

Courses taken as part of pre-professional studies are applicable to The University of Winnipeg degree programs. If you change your mind about your studies, you may wish to consult with an Academic Advisor or an instructor from your area of interest to formulate a new study plan.

### **HOW TO APPLY – Domestic Student**

Apply online at [uwinnipeg.ca](http://uwinnipeg.ca) or pick up an Application for Admission from your high school counsellor's office or the Admissions Office at The University of Winnipeg. To meet Scholarship deadline submit your application and \$80 application fee.

### **HOW TO APPLY – International Student**

Apply online at [uwinnipeg.ca/index/intl-apply](http://uwinnipeg.ca/index/intl-apply) and submit all official documents by mail. To meet Scholarship deadline submit application, fee, and documents by March 1st. International application fee is \$100, which includes a one-time courier fee.

**Note:** Admission to The University of Winnipeg does not guarantee admission to medicine. As a pre-professional student, you will be responsible to research and apply for admission to your medical school of choice.

### **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 at The University of Winnipeg's Career Resource Centre, rooms 1A01 and 1A02 in the first floor of Ashdown Hall, or read about the different programs and admission requirements for faculties of medicine in Canada at [www.afmc.ca](http://www.afmc.ca)

### **PRE-PROFESSIONAL REQUIREMENTS**

Most students who study Pre-Medicine at The University of Winnipeg will apply for admission to the Faculty of Medicine at the University of Manitoba, but you may choose to apply elsewhere. **You must consult with the institution where you plan to complete your studies to ensure that you choose an appropriate set of courses and that you will meet the entrance requirements for your medical program of choice.** The courses listed below are University of Winnipeg courses that satisfy the University of Manitoba's entrance requirements for Medicine.

18 credit hours from the Social Sciences and/or Humanities.

Plus both:

CHEM-3502/3 Intermediate Biochemistry I: Structure, Function, and Energetics of Biomolecules AND

## CHEM-3503/3 Intermediate Biochemistry II: Intermediary Metabolism

The following set of courses are prerequisites for CHEM-3502/3 Intermediate Biochemistry I: Structure, Function and Energetics of Biomolecules and CHEM-3503/3 Intermediate Biochemistry II: Intermediary Metabolism, Students are advised to take these courses within their first two years.

BIOL-1115/3 Cells and Cellular Processes  
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-2203/3 Organic Chemistry II

**Note:** 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.

### YOU SHOULD KNOW

- Students applying to the University of Manitoba 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 September of the year preceding application.
- The Personal Assessment Score (based on an interview and a reference check) relates to your personal attributes, volunteer and work experience, and reasons for pursuing Medicine, and is an important factor in getting into Medicine.

### CONTACT US

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