



# 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-Medical Technology

*This program offers the courses, supports, and challenges needed to prepare you for the competitive selection process for admission to medical technology programs.*

You have the motivation, precision, and passion to become a Radiological (X-Ray) Technologist, Medical Laboratory Technologist or Diagnostic Cytologist and you're looking for the right place to take the preparatory studies that are required for admission to college programs in these areas. Come to The University of Winnipeg for your preparatory 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 – close to Winnipeg's medical library, major hospitals, research centres and labs such as the National Microbiology Laboratory; 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.

### SAMPLE CAREERS

**Radiological (X-Ray) Technologists** use x-ray equipment to produce images of a body part or system. Read more about this career and training programs on the Canadian Association of Medical Radiation Technologists website at [www.camrt.ca](http://www.camrt.ca)

**Medical Laboratory Technologists** perform a variety of tests in medical laboratories, including collecting, preparing and analyzing blood, body fluids and tissue samples as well as interpreting results.



**Diagnostic Cytology**, an area of specialization in Medical Laboratory Technology, is the observation of cells to detect cancer.

Read more about these careers and training programs on the Canadian Society for Medical Laboratory Science website at [www.csmls.org](http://www.csmls.org)

### YOUR EDUCATION

#### Preparatory Studies at The University of Winnipeg

The University of Winnipeg is an excellent place for you to fulfill the admission requirements for medical technology programs at Red River College and other colleges or universities across Canada. Each college or university that offers medical technology programs has its own entrance requirements. To meet the entrance requirements for Medical Radiologic Technology or Medical Laboratory Sciences at Red River College, or for Diagnostic Cytology at the Diagnostic Services of Manitoba School of Diagnostic Cytology, you must complete **24 to 27 credit hours (one year)** of preparatory study, including the “**Preparatory Requirements**” outlined below. At the end of your preparatory studies at The University of Winnipeg, you will

apply for admission to a university or college program in Medical Radiologic Technology, Medical Laboratory Sciences or Diagnostic Cytology (**please note:** only 2 students are accepted into Diagnostic Cytology per year). At least **two more years** of full time study are usually required to complete the diploma programs.

***NOTE: You must consult with the school 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 technology program of choice.***

## **PREPARATORY REQUIREMENTS**

The courses listed below are required if applying for admission to Medical Radiologic Technology or Medical Laboratory Sciences at Red River College, or to Diagnostic Cytology at the School of Diagnostic Cytology.

### **Medical Radiological Technologist - Preparatory courses required for Red River College:**

*27 credits from a recognized college or university, including:*

PHYS-1101 Foundations of Physics (6 credits)

BIOL-1112 Human Anatomy & Physiology (6 credits)

SOC-1101 Introduction to Sociology (6 credits)

CHEM-1111 Introduction to the Chemical Properties of Matter (3 credits)

STAT-1501 Elementary Biological Statistics I (3 credits)

RHET-1105 (**or** 1101, 1102, 1103, 1104, 1106) Academic Writing (3 credits) **or** any course at the 1000 level offered through the English Department.

*For official entrance requirements, refer to Red River College website:*

<http://me.rrc.mb.ca/Catalogue/ProgramInfo.aspx?ProgCode=MEDRF-DP&DescriptionType=13&RegionCode=WPG>

### **Medical Laboratory Sciences - Preparatory courses required for Red River College:**

*24 credits from a recognized college or university, including:*

CHEM-1111 Introduction to the Chemical Properties of Matter (3 credits)

CHEM-1112 Basic Principles of Chemical Reactivity (3 credits)

BIOL-1112 Human Anatomy & Physiology (6 credits)

BIOL-1115 Cells and Cellular Processes (3 credits)

BIOL-1116 Evolution, Ecology and Biodiversity (3 credits)

STAT-1501 Elementary Biological Statistics I (3 credits)

RHET-1105 (**or** 1101, 1102, 1103, 1104, 1106) Academic Writing (3 credits) **or** any course at the 1000 level offered through the English Department.

*For official entrance requirements, refer to Red River College website:*

<http://me.rrc.mb.ca/Catalogue/ProgramInfo.aspx?ProgCode=MEDSF-DP&DescriptionType=13&RegionCode=WPG>

### **Diagnostic Cytology – Preparatory courses required for School of Diagnostic Cytology:**

*24 credits from a recognized college or university, including:*

CHEM-1111 Introduction to the Chemical Properties of Matter (3 credits)

CHEM-1112 Basic Principles of Chemical Reactivity (3 credits)

BIOL-1112 Human Anatomy & Physiology (6 credits)

BIOL-1115 Cells and Cellular Processes (3 credits)

BIOL-1116 Evolution, Ecology and Biodiversity (3 credits)

STAT-1501 Elementary Biological Statistics I (3 credits)

RHET-1105 (**or** 1101, 1102, 1103, 1104, 1106) Academic Writing (3 credits) **or** any course at the 1000 level offered through the English Department.

*For official entrance requirements, please contact:*

Educational Coordinator, School of Diagnostic Cytology

Diagnostic Services of Manitoba  
Phone: 204.787.2303  
Fax: 204.787.1790  
Email: [lkendrick@hsc.mb.ca](mailto:lkendrick@hsc.mb.ca)

## YOUR FIRST YEAR

We are committed to helping you have a smooth transition to university. You will attend a First Year Information Session and other orientation sessions to prepare you for university life and introduce you to the facilities and services you will need on campus. Our Tutoring Centre offers services to help you develop clear and concise communication skills, and – in case you need it – 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 programs at other universities and colleges. We offer the courses, supports, and challenges you will need to prepare for the competitive selection process for admission to medical technology programs and to build a rewarding, successful career.

## IN CASE YOU CHANGE YOUR MIND...

Courses taken as part of pre-professional studies are applicable to 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 for assistance and advice in formulating a new study plan.

## REQUIRED HIGH SCHOOL COURSES

You must meet The University of Winnipeg's general admission requirements. In addition, the following high school courses are required:

### **For Medical Laboratory Sciences and Diagnostic Cytology:**

Chemistry 40S and either Pre-Calculus Mathematics 40S *or* Applied Mathematics 40S

### **For Medical Radiologic Technology:**

Chemistry 40S and either Pre-Calculus Mathematics 40S *or* Applied Mathematics 40S

Physics 40S and Pre-Calculus Mathematics 40S may be required, depending on the Physics course you select.

## HOW TO APPLY – Domestic Student

Apply online at [uwinnipeg.ca](http://uwinnipeg.ca) or pick up an Application for Admission from your high school guidance counsellor's office or Student Central at The University of Winnipeg. To meet the Early Admission Deadline and be automatically considered for Special Entrance Scholarships, submit your application and \$80.00 application fee by March 1<sup>st</sup>.

**Please Note:** Admission to The University of Winnipeg does not guarantee admission to Red River College or School of Diagnostic Cytology. You are responsible for researching and applying for admission to your medical technology program of choice. Due to high demand, the Red River College component of these programs is open to Manitoba residents only.

## CONTACT US

For further information, please contact:

Student Recruitment & Institutional Relations  
The University of Winnipeg  
Phone: 204.786.9844  
Email: [welcome@uwinnipeg.ca](mailto:welcome@uwinnipeg.ca)

OR

Enrolment Services  
Red River College  
Phone: 204.632.2327



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