PRE-PROFESSIONAL STUDIES

PRE-MEDICAL TECHNOLOGY

Medical technology programs include the areas of Medical Laboratory Science, Medical Radiologic Technology, and Diagnostic Medical Sonography – Ultrasound.

The University of Winnipeg is an excellent place for you to fulfill the admission requirements for the Allied Health programs at Red River College and other colleges or universities across Canada.

NOTE: The admission requirements for these programs at Red River College changed in July 2018, and are outlined below for a Fall 2019 intake. The admission requirements for Fall 2020 will be different than those outlined here – please see the Red River College website for more detailed admission information.

SAMPLE CAREERS

Medical Laboratory Sciences: Perform a variety of tests in medical laboratories. For more information, see the Canadian Society for Medical Laboratory Science website at www.csmls.org

Medical Radiologic Technology: Use x-ray equipment to produce images of a body part or system. Please visit the Canadian Association of Medical Radiation Technologists website at www.camrt.ca

Diagnostic Medical Sonography - Ultrasound: Conduct ultrasound examinations, focusing on areas such as obstetrics and gynecology, abdomen and superficial structures, and vascular sonographic studies. For more information, see www.sonographycanada.ca.

YOUR EDUCATION

Preparatory Studies at The University of Winnipeg - Each college or university that offers medical technology programs has its own entrance requirements. To meet the entrance requirements at Red River College, you must complete 24 to 27 credit hours (one year) of preparatory study, including the “Preparatory Requirements” outlined on page 2.

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 medical technology program of choice.

Studies in Medical Technology - 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 Laboratory Sciences, Medical Radiologic Technology or Ultrasound - Diagnostic Medical Sonography. At least two more years of full time study are usually required to complete the diploma programs.
PREPARTORY REQUIREMENTS

Entrance requirements for Red River College - These are the requirements as of July 2018. The admissions requirements for the Fall 2020 start date will be different than those outlined below. Please refer to the Red River College website for detailed information.

Medical Laboratory Sciences: 24 credit hours from a recognized college or university, including:
- 3 credit hours General Chemistry
- 3 credit hours Intro to Physical Chemistry OR Intro to Organic Chemistry
- 6 credit hours Human Anatomy & Physiology
- 6 credit hours Biology
- 3 credit hours Basic Statistical Analysis
- 3 credit hours Communications

Medical Radiologic Technology: 27 credit hours from a recognized college or university including:
- 3 credit hours Basic Statistical Analysis
- 3 credit hours Communications
- 6 credit hours Human Anatomy and Physiology
- 6 credit hours Introduction to Physics
- 6 credit hours Introduction to Sociology or Psychology
- 3 credit hours Structure and Modeling in Chemistry

Ultrasound - Diagnostic Medical Sonography: 24 credit hours from a recognized college or university, with a minimum grade of 70% or 'B' in each of the following courses:
- 6 credit hours Biology
- 6 credit hours Human Anatomy and Physiology that includes laboratory component(s)
- 6 credit hours Introduction to Physics
- 6 credit hours Introduction to Psychology or Sociology

Please see Red River College Admission Requirements for complete details. Additional non-academic requirements must be met before applying to the above programs.

REQUIRED HIGH SCHOOL COURSES

You must meet The University of Winnipeg’s general admission requirements. In addition, you must have the following high school courses to take some of the courses for Pre-Medical Technology:

Medical Laboratory Sciences - Chemistry 40S and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S
Medical Radiologic Technology and Diagnostic Medical Sonography-Ultrasound - Chemistry 40S, Physics 40S, and either Pre-Calculus Mathematics 40S or Applied Mathematics 40S.

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

Note: Admission to UWinnipeg does not guarantee admission to Medical Technology.

(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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