

# GRADUATE STUDIES 2023/24 INFORMATION SHEET

## INTERDISCIPLINARY MEDICAL SCIENCES MSC

The one-year course-based Master's of Science in Interdisciplinary Medical Sciences (IMS) prepares you with a comprehensive and multi-faceted approach to medical sciences by integrating various fields of study.

You will receive mentorship and training from faculty with diverse expertise in a wide range of medical sciences including anatomy and cell biology, biochemistry, epidemiology and biostatistics, medical biophysics, microbiology and immunology, pathology and laboratory medicine, and physiology and pharmacology.

This unique learning experience is structured in a series of **learning blocks, rather than traditional courses**, in which you will complete coursework with a small cohort of peers. Learning blocks are designed to be immersive in one core area at a time. Learning blocks are designed to be highly integrative and concepts will be introduced, cultivated and applied to real-world contexts so that students gain experience exercising professional judgement.

### Academic content areas include:

- Concepts related to the achievement of excellence through equity, diversity, and inclusion
- Intellectual property, commercialization, and regulatory processes
- Ethical standards of practice in animal and human research
- Data science and data-driven decision making
- Research design
- Science policy

**Communication skills** in interdisciplinary research and collaboration are emphasized and exercised throughout all aspects of this program. You will actively participate in **seminars, community-engaged learning opportunities**, two immersive **laboratory rotations**, and complete a **Capstone Project** to reflect your learning.

During the Program, you will gain skills in advanced communication, leadership and self-reflective practice. You will graduate with the skills and **advanced research literacy** necessary to integrate, collaborate and disseminate knowledge and practices related to a wide variety of research fields.

## CAREERS

Graduates of this programs can pursue professional school, doctoral research and advanced training, or careers as:

- Science policy analyst or advisor
- Research administrator in the public or private sector
- Science communicator: outreach, writer, editor
- Business development
- Project management

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TIME TO COMPLETION	3 Terms (1 year)
ADMISSION REQUIREMENTS	<ul style="list-style-type: none"><li>• An undergraduate degree or equivalent in life sciences, biomedical science, health science or a science discipline.</li><li>• A strong academic history with a minimum B+ (78%) or equivalent average achieved during the two most recent years of academic study (some consideration will be given to equivalent work experience on a case-by-case basis).</li><li>• Unofficial post-secondary institution(s) transcripts. One copy of official/certified transcripts will be required if applicants receives an admissions offer.</li><li>• International applicants are eligible to apply</li><li>• Professional resumé (two page maximum).</li><li>• A strong level of English proficiency.</li><li>• Online application.</li></ul>
APPLICATION DEADLINES	<ul style="list-style-type: none"><li>• December 1 - International students</li><li>• January 10 - Domestic students</li></ul>
FUNDING	<p>Students may be eligible for:</p> <ul style="list-style-type: none"><li>• Ontario Graduate Scholarship</li><li>• Internal and External Scholarships</li></ul>

Please visit our website at [schulich.uwo.ca/ims](https://schulich.uwo.ca/ims) or send an email to [IMSgrad@uwo.ca](mailto:IMSgrad@uwo.ca) for more information.