



PATHOLOGY AND LABORATORY MEDICINE

MSc, PhD

Graduate training in Pathology and Laboratory Medicine provides foundational knowledge in the mechanisms and drivers of diseases. Two fields of research (areas of specialization) are available to MSc and PhD students.

Research Field: Pathology

Pathology is the scientific study of disease processes. Pathology applies basic research techniques in biochemistry, cell biology, genetics, immunology and molecular biology to the study of mechanisms of cell and tissue injury and the pathogenesis of disease.

Research Field: One Health

One Health is an integrated effort across multiple disciplines working locally, nationally and globally to attain optimal health for humans, other animals and the environment. One Health recognizes that the health of humans, other animals and the environment are inextricably linked as 'one.'

CAREERS

With your graduate training in Pathology and Laboratory Medicine, you can pursue a professional school, postdoctoral research and advanced training, or careers as a:

- Public Health Officer
- Research Scientist
- Health Consultant
- Policy Analyst
- Science Writer

Graduates from our program have pursued careers in:

- Postdoctoral fellowship, Icahn School of Medicine, Mount Sinai; University of California, San Diego
- Research Analyst position, Centre for Global Child Health, The Hospital for Sick Children
- Entrepreneurship: CEO, President & Founder Tenomix Inc.
- Chair, Center for One Health, University for Global Health Equity



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	MSc	PhD
TIME TO COMPLETION	6 Terms (2 years) – Full-time 12 Terms (4 years) – Part-time	12 Terms (4 years) – Full-time 24 Terms (8 Years) – Part-time
ADMISSION REQUIREMENTS	<ul style="list-style-type: none">• Students entering our graduate programs will have completed a four-year undergraduate program in science, or medical/health sciences.• An entrance average of 80% or greater in the last two years of their undergraduate program.• Students entering directly into the PhD program will have a graduate degree in Sciences or Medical/Health program, or an MD or DDS degree. In exceptional circumstances, direct entry to the PhD program will be considered for applicants holding an undergraduate degree.	
APPLICATION DEADLINES	<p><i>February 1 – Fall Term</i> <i>June 1 (pending spots remaining) – Fall Term</i> <i>March 1 – Summer Term</i> <i>November 1 – Winter Term</i></p>	
FUNDING	<ul style="list-style-type: none">• Funding details available here: https://www.schulich.uwo.ca/pathol/gps/research_programs/financial_support.html• Base stipend may comprise funding from the Supervisor, Western Graduate Research Scholarship, Teaching Assistant Stipend, and other internal scholarships.• Students also receive support for their applications to external funding agencies.	
FINDING A SUPERVISOR	<p>Students are not required to have a supervisor identified before applying to the program; if a student meets the program's admission criteria matching with a supervisor will be the next step. However, we strongly encourage students to connect with faculty members as potential supervisors to learn more about their research and identify a potential fit.</p>	

Please visit our website at schulich.uwo.ca/pathol or send us an email to pathgrad@uwo.ca for more information.