

Pathobiology: GDip, MSc, PhD

Research in the Department of Pathobiology addresses such diverse areas as pathogens of animals and how they interact with their hosts, emerging and zoonotic pathogens, antimicrobial resistance, immunologic and genetic bases of resistance to infectious disease, development and progression of cancer, and immune-mediated and inflammatory diseases. We work on diseases of farm animals, laboratory animals, fish, wildlife, zoo and companion animals, from the molecular level to that of the population.

ovc.uoguelph.ca/pathobiology

PROGRAM

The Master of Science (MSc) program is a thesis-based program completed in approximately 6 semesters (2 years). The MSc program requires the successful completion and defence of a research-based thesis.

The PhD program in Pathobiology is a thesis-based program completed in approximately 12 semesters (4 years). The PhD program requires the successful completion of a qualifying exam and the completion and defence of a research-based thesis.

The Graduate Diploma in Pathobiology (GDip) is a course-based program completed in approximately 3 semesters (1 year).

FIELDS

- Comparative Pathology
- Immunology
- Veterinary Infectious Diseases
- Veterinary Pathology

COLLABORATIVE SPECIALIZATIONS

Collaborative Specializations allow students to enhance their degrees with multidisciplinary research. The Department of Pathobiology participates in the One Health, Neuroscience and Toxicology Collaborative Specializations. Additional information can be found in the [Graduate Calendar](#). Please consult with your prospective advisor.



ADMISSION REQUIREMENTS

In the Pathobiology department, the minimum admission requirements are:

- MSc: an honours undergraduate degree in a relevant field with a minimum average of 73% (B)
- PhD: an approved Master's degree with a minimum average of 77% (B+)
- GDip: a Doctor of Veterinary Medicine degree (or its equivalent) with an acceptable academic standing

Applicants must also confirm a faculty advisor before they apply. Please direct any questions regarding admission requirements to the Graduate and Research Programs team.

APPLICATION DEADLINES:

Ongoing

Entry: Fall, Winter, Spring

See graduatestudies.uoguelph.ca/programs/path for more information on when to apply.

ARE YOU INTERESTED IN:

- Infectious diseases of animals
- Immunology
- Cancer development and treatment
- Veterinary pathology diagnostics and research
- Zoo medicine and wildlife
- One Health

CAREER OPPORTUNITIES:

- Biomedical research
- Animal health research and development
- Diagnostic activities in private and public sector laboratories
- Academia

CONTACT INFORMATION

OVC Graduate Research and Programs Team:

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Graduate Program Coordinators:

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