

Population Medicine: MSc, PhD

Our graduate programs are designed to provide our students with advanced knowledge and skills in study design, data collection and analysis, problem solving, and communication, in the fields of epidemiology, health management, public health and theriogenology to address current animal and human health issues often using a One Health approach.

ovc.uoguelph.ca/population-medicine

Program

We offer Doctoral programs and two options for our MSc programs. Masters of Science students may choose between a major research project (MRP) option (approximately three semesters), or a research-based thesis option (approximately six semesters). The PhD programs require the successful completion of a qualifying exam and the defense of a research-based thesis.

Research Fields

- Epidemiology (MSc thesis option, MSc MRP option, MSc placement option, PhD)
- Theriogenology (MSc thesis option)
- Health Management (MSc thesis option)
- Public Health (MSc thesis option, MSc MRP option, PhD)

Admission Requirements

Applicants require a minimum average of “B-” in their last four semesters of full-time study. Students may enter the MSc program with an Honours Bachelor’s degree or a DVM. Admission to the PhD program is usually granted to holders of an MSc degree who have demonstrated superior performance and aptitude for research. Infrequently, well qualified DVM or honours degree holders may be accepted directly into the PhD program.

Application Deadlines:

International:	Domestic:
Fall - March 1	Fall - Aug. 1
Winter - June 1	Winter - Nov. 15
Summer - Nov. 1	Summer - April 1



As a leader in veterinary public health education, my decision to stay within the Department of Population Medicine to continue my graduate studies was easy. The ability to collaborate with faculty and students who support my growth as an Epidemiologist and One Health practitioner is one thing I love most about this department. Population Medicine is home to diverse research topics and courses sure to cater to the interests of any budding public health professional.

- Carrie McMullen (PhD, Population Medicine & the Collaborative Specialization in One Health)

Advising

All applications (MRP and thesis-based) to Population Medicine programs require a faculty supervisor who will be the primary person responsible for their research training. It is the applicant’s responsibility to contact their proposed supervisor to express interest and confirm if they will be accepting new graduate students. We do not admit students who do not have a supervisor confirmed.

Faculty

We have faculty strength across a breadth of disciplines focused on epidemiology, animal health management, and public health. Our faculty members conduct leading research in epidemiology and health management of agricultural and companion animal species, theriogenology, the epidemiology of zoonoses and foodborne and waterborne diseases of humans, infectious disease modeling, clinical veterinary communications, animal behaviour and welfare, public health, and One Health.

Funding

Funding is provided for a minimum of two years for the thesis-based MSc and three years for a PhD. Numerous scholarships and awards are available on a competitive basis.

ARE YOU INTERESTED IN:

- Epidemiology
- Public Health
- One Health
- Infectious Disease Modeling
- Health Management of Agricultural and Companion Animals
- Biostatistics
- Animal Behaviour & Welfare
- Clinical Veterinary Communications

CAREER OPPORTUNITIES:

- Academia
- Government agencies involved in agriculture, food safety, and public health
- Non-governmental organizations
- Consulting firms
- Agricultural and pharmaceutical industries

CONTACT INFORMATION

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