

# Master of Biomedical Sciences: MBS

The Master of Biomedical Sciences (MBS) is a coursework master's program offered by the Ontario Veterinary College that draws on expertise across three departments: Biomedical Sciences, Clinical Studies, and Pathobiology. The MBS program develops graduate training and provides students with hard and soft skills that will prepare them for successful careers.

[uoguelph.ca/ovc/master-biomedical-sciences-mbs](http://uoguelph.ca/ovc/master-biomedical-sciences-mbs)

## Program

The Master of Biomedical Sciences (MBS) is a coursework program with a major research project/paper or an experiential learning practicum (depending on the research area), to be completed in approximately three semesters. This research project or literature review is completed under the supervision of a faculty advisor.

## Research Fields

- Biomedical Toxicology and Pharmacology
- Cancer Biology
- Cellular and Molecular Basis of Health and Disease
- Comparative Immunology and Infectious Diseases
- Neurosciences
- Reproductive Biotechnology
- Stem Cell and Regenerative Medicine
- Veterinary Sciences

## Academic Departments

MBS degree programs are offered by three academic departments:

- [Department of Pathobiology](#)
- [Department of Clinical Studies](#)
- [Department of Biomedical Sciences](#). Students may apply to complete [Applied Reproductive Biotechnologies](#) or [Applied Toxicology](#) practica and related coursework.



## Admission Requirements

Students are encouraged to reach out to a prospective faculty advisor before applying for admission.

- Honours baccalaureate degree in the Biological Sciences (or in a relevant field), or a Doctor of Veterinary Medicine degree (or the equivalent) with a minimum 'B' standing in the last four semesters of study
- Letters of reference from two individuals who can adequately evaluate the academic and research capabilities of the applicant
- Short statement of the applicant's area of interest and career goals

## Application Deadlines:

### Domestic:

Fall: June. 1 | Winter: Dec. 1  
Summer: Feb. 1

### International:

Fall: March 1 | Winter: July 1  
Summer: Nov. 1

(Reproductive Biotechnology field has a mandatory Fall semester start)

## ARE YOU INTERESTED IN:

- Cancer development and treatment
- How pregnancy is maintained and regulated
- Veterinary and infectious disease
- How the heart and brain work
- Toxicology
- Regenerative Medicine

## CAREER OPPORTUNITIES:

- Healthcare (e.g. Dentist, Pharmacist, Physiotherapist)
- Veterinary medicine and animal health
- Government
- Biomedical Research
- Medical school
- Diagnostic activities in private and public sector laboratories

## CONTACT INFORMATION

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