



EPIDEMIOLOGY AND BIostatISTICS

MSc, PhD

The Department of Epidemiology and Biostatistics offers MSc and PhD degrees with a field of study in either Epidemiology or Biostatistics. Epidemiology is the study of the determinants and distribution of diseases and the application of this knowledge to control health problems. Applicants to this field come from a wide variety of backgrounds including physical sciences, arts and humanities, social science, medical and health sciences, or nutritional sciences. Biostatistics is the area of research in which statistical methods for collecting, analyzing and interpreting data arising from medical and epidemiological research are developed and evaluated. Applicants to this field must have a mathematical statistics background and hold a degree from a department of statistics, mathematics or applied mathematics.

Trainees are exposed to a full breadth of policy-relevant methodologies from the fields of:

- Biostatistical & Computational Methods
- Clinical Epidemiology
- Evidence Synthesis & Health Technology Assessment
- Epidemiological Observational Studies
- Randomized Controlled Trials
- Health Services Research
- Health Economics

CAREERS

With your graduate training you can pursue professional school, post-doctoral research and advanced training or careers as a:

- Health Economics Associate/Specialist
- Research Assistant/Associate/Analyst
- Clinical Research Project Assistant
- Quality and Evaluation Specialist
- Biostatistician/Epidemiologist
- Pharmacovigilance Specialist
- Physician's Assistant
- Health Care Analyst
- Statistical Analyst
- Medical Writer

Graduates from our programs have pursued careers as a:

- Provincial Epidemiologist, Chief Public Health Office for a provincial government
- Director, Research and Analysis at the Institute for Clinical Evaluative Sciences
- Community Research Manager at Well Living House, St. Michael's Hospital



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	MSc	PhD
TIME TO COMPLETION	6 Terms (2 years)	12 Terms (4 years)
ADMISSION REQUIREMENTS	<ul style="list-style-type: none">• 4-year honors (or equivalent) program from an accredited institution• A minimum average of 80% in the last two full-time years of education• Averages for part-time students will use the last 10.0 full credits (or equivalent)• A strong performance in a recent statistics course *	<ul style="list-style-type: none">• 2-year research thesis-based Master's degree• A minimum average of 80% for all graduate-level course work• A strong performance in a recent statistics course *
APPLICATION DEADLINES	<i>January 15</i>	
FUNDING	MSc and PhD Students may be eligible for: <ul style="list-style-type: none">• Western Graduate Research Scholarship• Graduate Research Assistantship• Teaching Assistantship• National and Provincial Scholarships	

*Our graduate program requires students to have taken, and completed with a very strong performance, a recent course in statistics (within the past four years).

If a great deal of time has elapsed since your last statistical courses, we recommend that your application include concrete examples of how you use statistical methods in your regular role at work.

Applicants to the MSc and PhD programs are required to list up to two potential supervisors and one Research Cluster in which they would like to study. (www.schulich.uwo.ca/epibio/research/research_clusters/index.html)

If a student is accepted into our Program, a supervisor(s) will be confirmed at that time.

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