

# EPIDEMIOLOGY (MS)

or EPID 6950 Masters Thesis

Total Hours

40

In this program, you'll learn about the causes, distribution, and control of diseases in populations, with an emphasis on methodology. In epidemiology, we're passionate about providing the scientific evidence that can save lives. And as a student in the department, you'll have access to faculty with a wide range of expertise—from food safety, to diabetes, to gene-environment interactions, we do it all.

In this 38-credit program, you'll take courses in epidemiology, biostatistics, research ethics and methods, and specific epidemiological topics. You'll also complete a 4-credit Master's research paper or Master's thesis based on work you'll do in collaboration with our world-class researchers.

## Curriculum

Code	Title	Hours
<b>Required Epidemiology Courses (12 credits)</b>		
EPID 6626	Research Methods in Epidemiology	3
EPID 6630	Epidemiology	3
EPID 6631	Analytical Epidemiology	3
EPID 7631	Advanced Epidemiology 1	3
<b>Required Biostatistics Courses (9 credits)</b>		
BIOS 6611	Biostatistical Methods I	3
BIOS 6612	Biostatistical Methods II	3
BIOS 6680	Data Management Using SAS	3
<b>Required Public Health Courses (3 credits)</b>		
PUBH 6600	Foundations in Public Health	2
EHOH 6601	Public Health Concepts for Non-MPH	1
<b>Topic-Based Epidemiology Courses (7 credits from the following courses):</b>		
EPID 6622	Cancer Prevention and Control	2
EPID 6624	Public Health Surveillance	2
EPID 6629	Clinical Epidemiology	2
EPID 6634	Applied Global Health Epidemiology	2
EPID 6635	Infectious Disease Epidemiology	2
EPID 6636	Chronic Disease Epidemiology	3
EPID 6637	Injury and Violence Epidemiology and Prevention	2
EPID 6640	Investigation of Disease Outbreaks	2
EPID 6641	Epidemiology of Foodborne and Diarrheal Diseases	2
EPID 6642	Genetics in Public Health	2
EPID 6643	Epidemiology and Prevention of TB/HIV/STDs	2
EPID 6644	Maternal Child Health Epidemiology	3
EPID 6646	Methods for Conducting Systemic Review and Meta-Analysis	2
EPID 7605	Research Methods with Secondary Data Sources	3
EPID 7615	Pharmacoepidemiology	2-4
EPID 7640	Genetic Epidemiology	2
<b>Required Ethic in Research Course (1 credit)</b>		
CLSC 7150	Ethics and Responsible Conduct of Research	1
<b>Electives (2 credits)</b>		
<b>MS Thesis or MS Research Paper (4 credits)</b>		
EPID 6651	EPID MS Research Paper	1-6