

PATHOLOGY, M.SC.

Degree Requirements

M.Sc. Research/Thesis-based Program

All students in this program are required to take a minimum of 9 credit hours of coursework, to carry out a supervised research project, and to present an acceptable thesis.

Maximum time to complete the program is 4 years for full-time students.

M.Sc. Pathologists' Assistant Practicum Stream

All students are required to successfully complete the major courses as listed in Progression Chart below. Further requirements include:

1. Complete a Medical Terminology workbook/course at the start of the program.
2. Complete a log book of a required number of surgical and autopsy cases.
3. A written and Practical Examination is given at the completion of PATH 7036 and PATH 7042, for which students must acquire a Pass grade/or a grade equivalent to a B.
4. Successfully complete a research/practicum project on a subject related to Pathology work.

It is highly recommended that students complete this program in 2 years.

Progression Chart

Pathologists' Assistant Practicum Stream

A student must have passed the following courses outlined below and must have achieved a minimum grade of a B average in Introduction to Disease Mechanisms (IMED 7212). Students will also have to successfully complete a research/practicum project on a subject related to Pathology work and it will be defended as a Thesis.

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
ANAT 7478	Human Gross Anatomy: Musculoskeletal	3
ANAT 7480	Human Gross Anatomy: Trunk (Thorax, Abdomen, Pelvis)	3
IMED 7212	Introduction to the Mechanisms of Disease	3
PATH 7032	Pathologists Assistant Field Practicum I	4
PATH 7034	Pathologists Assistant Field Practicum II	4
PATH 7036	Pathologists Assistant Field Practicum III	4
PATH 7120	Diseases of Human Organ Systems	1.5
Research/Practicum Project ¹		
Hours		22.5
Year 2		
GRAD 7000	Master's Thesis	0
ANAT 7380	Human Developmental Anatomy (Embryology)	3
ANAT 7468	Human Histology: Basic Tissues and Organ Systems	3
ANAT 7482	Human Gross Anatomy: Head and Neck	3
PATH 7038	Pathologists Assistant Filed Practicum IV	4

PATH 7042	Pathologists Assistant Field Practicum V	4
PATH 7130	Clinical Pathological Correlations 1	1.5
PATH 7140	Clinical Pathological Correlations 2	1.5
Research/Practicum Project ²		
Hours		20
Total Hours		42.5

¹ Student will begin to start working on their research/practicum project on a subject related to Pathology work.

² Student should almost be completed their research/practicum project which they will present by the end of summer term.

Research/Thesis-Based Program

All students in the program are required to take a minimum of 9 credit hours of coursework, to carry out a supervised research project, and to present an acceptable thesis.

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
IMED 7212	Introduction to the Mechanisms of Disease	3
GRAD 7XXX	Additional Graduate Courses ¹	6
Thesis Outline ²		
Hours		9
Year 2		
GRAD 7000	Master's Thesis ³	0
Hours		0
Total Hours		9

¹ Additional credit hours at the 7000 level are mandatory to a total a minimum of 9 credit hours. These additional courses vary from student to student and course select will be made in consultation with the advisor.

² Three months following the commencement of their program and following consultation with their supervisor, the student should submit a detailed thesis outline to their committee for advice and approval. The outline should be 1-2 pages long, adhering to the following format: Introduction (Background); Hypothesis; Objectives; Proposed Methods/Potential Significance of Work.

³ Students continue to work on their thesis. Students are required to allow 4 weeks for members of their advisory committee to read their thesis or practicum prior to the oral exam