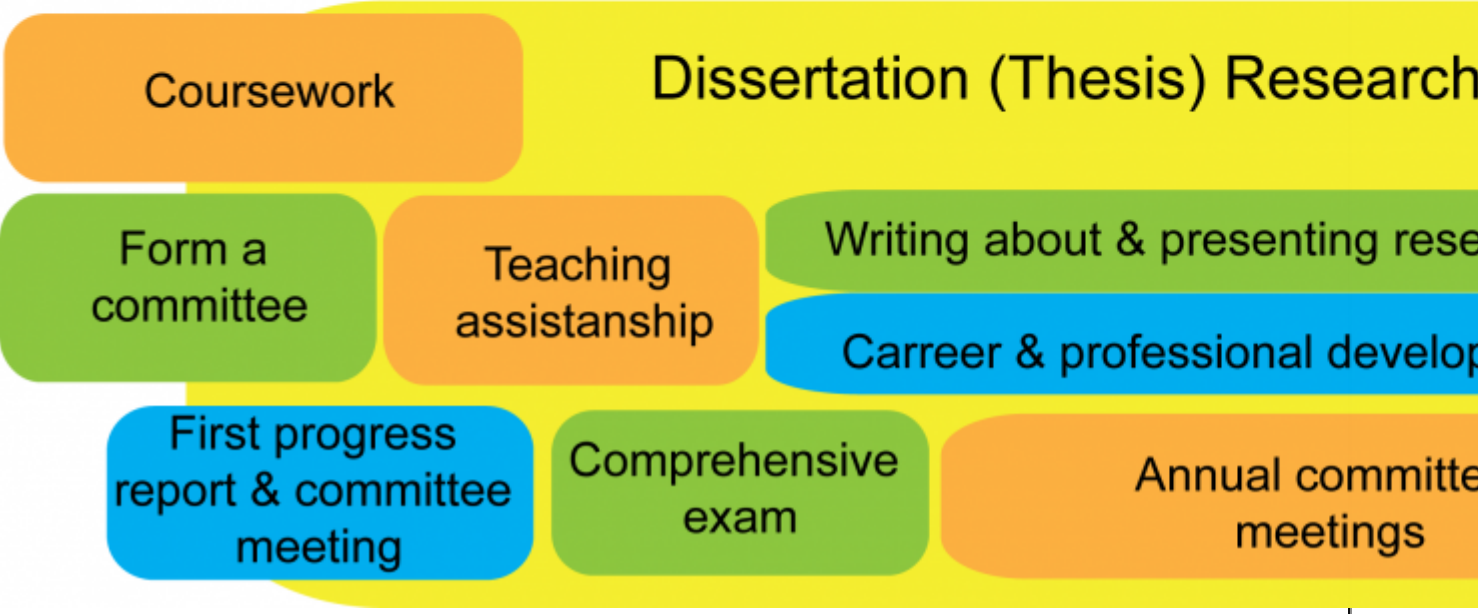


PhD Program

PhD Student Requirements

Welcome to the PhD program within the Department of M&I. We have outlined the course requirements, teaching assistantship requirements, plus the research communications expectations for the PhD program below. PhD graduates are expected to become experts in their field of research, to become critical independent and creative thinkers with original contributions to research. The insights and skills a PhD student acquires through their program will advance their scientific interests, scope of knowledge and choice of careers. We recognize that everyone's experiences in the program will be different however we have provided the following milestones to help you plan your degree.

Major Milestones



PhD Benchmarks	
Meeting	Time/purpose

Before or soon after entering the graduate program

A) Meet with supervisor

- Discuss career goals, potential projects
- Decide on appropriate courses to take
- Student submits initial thesis project [1] (Sept)

By end of first academic year; 12 months

B) First progress report outline [2]

- Discuss course grades
- Assess project, research plan, progress

Assigned by **July 15** in your second year

C) Teaching Assistantships [3]

- Complete LSI TA workshop [4] first

18 months in program

D) Pre-comps meeting* [5]

- Assess research plan, progress
- Permission to take comprehensive exam
- Set comprehensive topics

Between 18.5-21 months after entering program

E) Comprehensive exam* [6]

- The Chair submits the comprehensive exam report [7] to the Graduate Program Coordinator.
- Comprehensive written proposal [8] due 2 weeks before Comprehensive Exam.

F) Subsequent thesis committee meetings [2]

Once per academic year, submit a Thesis committee meeting report [9]

- Discuss research plan
- Publication plan

G) Exit Seminar [10]

Approximately one year before graduating

- Present PhD research to Department in a 45' talk

H) Permission to write thesis [2]

Final annual meeting or special meeting

- Permission to write up thesis [9]; recommendations for additional experiments

— Courses

Download and review the Full Course List [11]

1. PhD students without a Master's degree are required to take MICB506C. PhD students with a Master's degree are required to take MICB506D.

2. Continual registration in your thesis (MICB649) is required. The Graduate Program Coordinator will do this on your behalf.

- Note: if the student account is in financial hold than they cannot be registered and they are responsible for registering when their account is settled.

3. Graduate students can take additional courses if their supervisor and graduate advisor approve them.

- Note: The student's set of courses should be listed on the "Initial Thesis Project" form (see forms [12]) and handed in to the Graduate Program Coordinator

— Research

Recent publications [13]

— Thesis Defence

The Faculty of Graduate Studies oversees Doctoral Oral Exams [14] and sets the rules for thesis preparation and submission [15].

A few departmental rules and resources you should bear in mind:

- Provide your supervisor with a complete draft of your thesis for approval and make any recommended corrections before submitting it to your supervisory committee.
- Your supervisor and supervisory committee must sign off on the thesis before it is submitted to the External Examiner.
- Present a full exit seminar on your research to the Department as part of the Microbiology and Immunology seminar series.

The student and supervisor work together to ensure the following key items are met before the deadlines.

- Permission to Write [9] up your thesis from the supervisory committee
- Your supervisor proposes an External Examiner Guidelines [16] and submits an External Examiner form [17] to Graduate Program Coordinator
- Submitting the Thesis for External Examination: Please review Graduate Studies Guidelines [18]. You must bring the following two forms to the Graduate Program Coordinator for the Grad Advisor's final signature:
 - a. PhD Thesis Supervisory Committee Approval to Send Thesis to External Examiner [12]
 - b. Graduate Program approval of Doctoral Dissertation for External Examiner [19]
- Proposing the University Examiners [20]
- Examination Chair- Graduate and Postdoctoral Studies assigns a Chair
- Setting the Date for the Final Doctoral Examination
- The Final Doctoral Examination Programme [21]
- The Final Doctoral Oral Examination [22]
- Post-Examination Details [23]

Deadlines:

There are four deadlines doctoral candidates must meet in order to be eligible for the respective end/graduation date. All deadlines can be reviewed on the website of Graduate Studies [24]

Some important deadlines to keep in mind:

- **6 months** before the completion of the thesis: Appoint an External Examiner - student's supervisor submits External Examiner form to Graduate Advisor.
- **8 weeks** before the oral exam: Submit thesis to Graduate Studies for External Examination; appoint a University Examiner and submit the Examination Program

