



UNIVERSITY OF TORONTO
LESLIE DAN FACULTY OF PHARMACY

Information Session

November 29, 2023



Master of Science in Pharmacy (MScPhm) Information Night

Agenda

1. Welcome
2. Introductions
3. Program Overview
 - structure
 - learning objectives
 - admission requirements and process
 - specialty areas and faculty
4. Q&A
5. Wrap-up





Lee Dupuis RPh, ACPR, PhD

Senior Associate Scientist, Research Institute, SickKids
Clinician Scientist, Department of Pharmacy, SickKids
Professor, Leslie Dan Faculty of Pharmacy

Education

BSc	1978, University of Toronto
BScPhm	1981, University of Toronto
ACPR	1982, Sunnybrook Health Science Center
MScPhm	1983, University of Toronto
PhD	2013, University of Amsterdam



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Lee Dupuis RPh, ACPR, PhD

Research/Practice Interests

- Optimization of supportive care of children with cancer
 - Clinical practice guideline creation and implementation
 - Treatment-related symptom screening
 - Chemotherapy-induced nausea and vomiting control

Contact: lee.dupuis@sickkids.ca



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Beth Sproule, RPh, BScPhm, PharmD

Clinician Scientist, CAMH

Associate Professor, Leslie Dan Faculty of Pharmacy

Education

BScPhm	1984, University of Toronto
Residency	1985, Addiction Research Foundation, Toronto
PharmD	1993, Wayne State University, Detroit, MI
Research Fellowship	1994, Addiction Research Foundation, Toronto



Beth Sproule, RPh, BScPhm, PharmD

Research/Practice Interests

- Addiction and mental health practice
 - Pharmacotherapy & pharmacist roles
- Addiction risk of medications
 - Characterizing risks (opioids, benzos, stimulants, gabapentinoids, etc)
 - Prevention and treatment strategies

Contact: beth.sproule@camh.ca

Master of Science in Pharmacy (MScPhm)

Graduate Program

Purpose: To train future academic clinical pharmacist leaders.

Key Domains of Advanced Pharmacy Practice

- clinical practice
 - teaching
 - research
 - administration
- Leadership responsibilities cut across all domains

Overview of Design

- 24-month, full-time program; maximum 48-month part-time program
- Graduate faculty primary supervisor guides individualized program
- Advisory committee supports student



MScPhm	MSc & PhD	PharmD for Pharmacists	Pharmacy Residency Y1	Pharmacy Residency Y2
“To gain advanced therapeutic knowledge and practice experience in a defined area, along with research, education and leadership.”	“Research-intensive programs of study in a wide range of areas leading to Master’s and Doctoral degrees	“Advancing knowledge and skills beyond the BScPhm degree”	“Focus on direct patient care, pharmacy operations, project management and personal practice aspects of pharmacy practice.’	Focus on direct patient care, teaching, and research” to prepare “for interprofessional management of complex patient cases”
<ul style="list-style-type: none"> • Courses • Clinical practicum • Research 	<ul style="list-style-type: none"> • Thesis-focused • Minimal coursework 	<ul style="list-style-type: none"> • Courses • Experiential rotations 	<ul style="list-style-type: none"> • Experiential 	<ul style="list-style-type: none"> • Experiential
<ul style="list-style-type: none"> ▪ 2 years FT/PT 	<ul style="list-style-type: none"> ▪ 2-5 years PT/FT 	<ul style="list-style-type: none"> ▪ Up to 4 years PT 	<ul style="list-style-type: none"> ▪ 1 year 	<ul style="list-style-type: none"> ▪ 1 year
➤ Tuition	➤ Tuition + stipend	➤ Tuition	➤ Stipend	➤ Stipend

Example Career Options

Clinical Faculty, Clinical Practice Lead	Tenure Stream Faculty, Clinician Scientist	Clinical Pharmacist (various roles)	Clinical Pharmacist (various roles)	Clinical Practice Lead (various roles)
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Master of Science in Pharmacy (MScPhm)

Why call it MScPhm?

- vs Master of Pharmacy, for example, as professional graduate designation
- 'science' part is key
- developed to have a research-informed, scientific focus as the foundation of all its components
- program designed to foster advanced practice that is evidence-informed and evidence-building



Master of Science in Pharmacy (MScPhm)

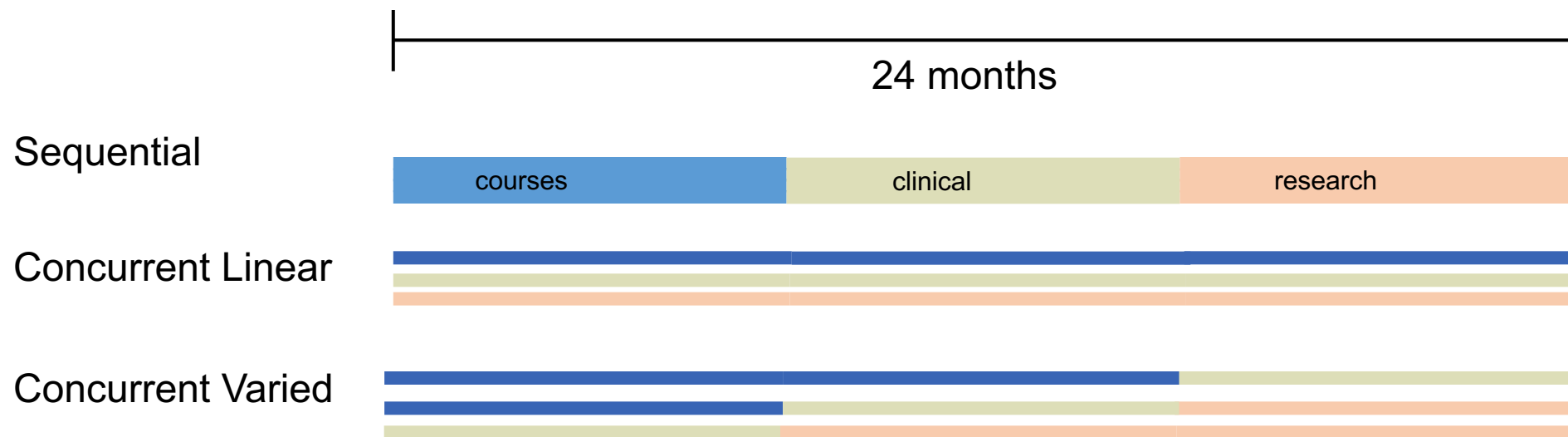
Overview of Design

- 6 courses :
 - 3 foundational
 - **Introduction to Education Theory, Practice, and Scholarship**
 - **Methods for Patient-Focused and Pharmacy Practice Research**
 - **Principles of Advanced Pharmacy Practice**
 - 3 elective
- Clinical practica – 8 months
- Research project – 8 months



Master of Science in Pharmacy (MScPhm)

Full-time: Scheduling Flexibility



MScPhm: Part-time Option

Key Points

- Core requirements identical to full-time option
- Learning requirements identical to full-time option
- Timeline
 - Completed over maximum of 4 years
 - **12 months to be spent on site** – in minimum 4-month blocks

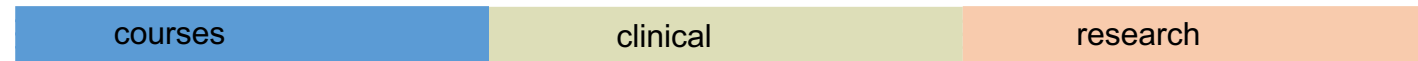


Master of Science in Pharmacy (MScPhm)

Part-time: Scheduling Flexibility

> 24 to 48 months

Sequential



Concurrent Linear



Concurrent Varied



Total of 12 months required onsite

- 8 months clinical practica (can be 2 x 4 month blocks)
- 4 month block minimum (of 8 month research practicum)

Coursework

- 3 core courses offered hybrid
- 3 electives – depends on selection



Master of Science in Pharmacy (MScPhm)

Program Learning Outcomes

- Advanced medication therapy expert in a defined area of pharmacy practice:
 - Pharmacy practice principles
 - Content knowledge
 - Skills
- Scientific focus throughout - integrated into practice, research, and teaching
- Respond to patient care challenges – e.g, new clinical or educational programs
- Lead or collaborate on defined research projects
- Apply teaching principles to communicate ideas and scientific evidence in didactic and experiential settings
- Leadership – ethics and decision-making



Master of Science in Pharmacy (MScPhm)

Admission Requirements

1. Status as a pharmacist, based on one of the following:
 - Bachelor's/PharmD degree from an accredited (CCAPP) Canadian Pharmacy program or an accredited (ACPE) American Pharmacy program, *or*
 - license to practice pharmacy (any Canadian jurisdiction) *or*
 - Bachelor's/PharmD degree (or equivalent) in Pharmacy from any International Pharmacy School AND successful completion of the Pharmacy Examining Board of Canada (PEBC) Evaluating Exam
2. Pharmacy practice experience, including completion of a Year 1 Pharmacy Residency program, is preferred
3. Academic Standing
 - equivalent of a University of Toronto B+ (77-79%) in the last two years of study
4. Supervisor
 - identification of primary supervisor(s)



Master of Science in Pharmacy (MScPhm)

Admission Process

- Online application
 - Supplemental application form
- Interview
- Acceptance of primary supervisor

- ‘Soft’ deadline March 31, 2023

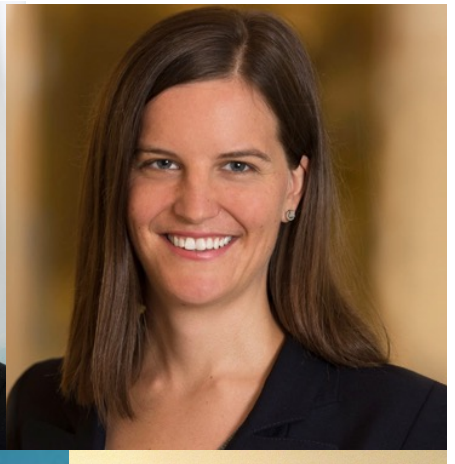


Master of Science in Pharmacy (MScPhm)

Admission Process

- Online application
- Interview
- **Acceptance of primary supervisor**
- 'Soft' deadline March 31, 2024





Master of Science in Pharmacy (MScPhm)

September 2024 Admissions

- Addiction and mental health
- Adult cardiology
- Adult critical care
- Adult nephrology
- Adult oncology
- Care of Older Adults
- Leadership/Management
- Paediatric critical care
- Paediatric mental health
- Paediatric oncology
- Teaching/Pedagogy



Master of Science in Pharmacy (MScPhm)

From our students:

All of the opportunities that land on your doorstep can give you important insight into what you like and don't like and how you want to move forward with your career

The program is set up to prepare you to address important clinical questions or patient care challenges that the health care team may face

We'll have the opportunity to apply leadership principles we learn in the program to shape the new direction of pharmacy and pharmacy education

It's been a dream of mine to be able to combine research with my clinical practice. It's inspiring to see that being done in practice, and I want to be able to do that myself in the future



Questions?



Key Messages

- 1. Ensure your career goals align with the MScPhm's learning objectives**
- 2. Speak with potential supervisor(s)**
- 3. If considering PT program, map out a draft schedule and discuss it with potential supervisor(s) and employer**
- 4. Reach out to program co-leads or Grad Office with questions**
- 5. Attend information sessions and Open House in 2024**



Master of Science in Pharmacy (MScPhm)

What is the MScPhm program?

- developed for practicing pharmacists who are looking for the next challenge in their careers
- an advanced professional practice program with a research-informed, scientific focus
- an advanced learning experience customized to a student-chosen area of practice, growth, and leadership interest

Learn More!

Contact:

Lee Dupuis or Beth Sproule

Co-Leads, MScPhm Program

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Website:

