

Graduate Studies in Pharmacology and Toxicology at the University of Toronto

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Applied Clinical Pharmacology Program

Graduate Studies in Pharmacology and Toxicology at the University of Toronto

- **M.Sc. Program – 2 year program**

Applied Clinical Pharmacology (course-based)

Thesis-based

Ph.D. program

4 year program – if completed M.Sc.

5 year program – if ‘direct entry’

Ph.D. transfer from M.Sc. program

Graduate Studies in Pharmacology and Toxicology at the University of Toronto

Graduate Program

Approximately 70 Graduate Faculty members

Currently 186 Graduate Students:

- 40 thesis-based MSc

- 46 course-based MSc

- 105 PhD students

September 2021 intake: 51 new students

- 20 PhD students

- 31 MSc students (15 thesis stream, 16 ACP stream)

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Research Areas Offered:

Alcoholism and drug addiction

Biochemical and molecular pharmacology

Receptor pharmacology and signal transduction

Drug metabolism and pharmacokinetics

Pharmacogenetics and pharmacogenomics

Neuropharmacology

Cancer pharmacology

Clinical pharmacology

Cardiovascular pharmacology

Toxicology

Biomedical Toxicology – Collaborative Specialization

Career Opportunities for Graduates

- **Pharmaceutical and biotechnology industries**

- Research laboratories
- Clinical studies coordinators
- Regulatory affairs
- Management and administration
- Business development and venture capital
- Consulting

- **Government**

- Health Protection Branch (Federal)
- Environmental laboratories (Provincial and Federal)
- Forensic toxicology (Provincial)

- **Academic**

- University professors
- Community colleges and secondary schools

- **Biomedical Research Laboratories**

- Hospitals
- Research Institutes
- University laboratories

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What Is Applied Clinical Pharmacology?

- A two-year, course-based stream within the MSc degree program in Pharmacology



www.pharmtox.utoronto.ca/acp

Who Should Take This Program?

- Students seeking to develop a strong foundation of knowledge and skills in pharmacology, drug development, clinical trial design, and regulatory procedures while preparing for careers related to the application of clinical pharmacology

What Makes This Program Unique?

- One-of-a-kind rigorous program tailored to you
- Small class sizes (< 20 students)
- Integrated interactive courses to provide breadth of knowledge in clinical pharmacology
- Hands-on laboratory skills and research opportunities in clinical settings
- Practicum opportunities to explore your career interests in a work environment

Where Are The Placements?



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Ph.D. transfer from M.Sc. program

Thesis-based M.Sc. - Two year program

Dedicated thesis research supported by Graduate Supervisor

One course – PCL 1002Y Graduate Pharmacology

Seminar at beginning of second year

Thesis write – up and defense



M.SC. THESIS?

**OR APPLIED CLINICAL
PHARMACOLOGY?**

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Thesis-based

Ph.D. program

4 year program – if completed M.Sc.

5 year program – if 'direct entry'

Ph.D. transfer from M.Sc. program

Ph.D. program

Four year program (Five year program if direct – entry PhD)

Dedicated thesis research supported by Graduate Supervisor

One course – PCL 1002Y Graduate Pharmacology + one other course

Three Seminars at beginning, middle and end of program

4 Breadth modules - informal instruction in areas outside of your thesis research

Thesis write – up and defense

PH.D. TRANSFER OR DIRECT ENTRY?



Graduate Admission Stats

Total applications

Approximately 300 received / year

Total provisional acceptances

60 - 80 (25% of these are Applied Clinical Pharmacology)

New students beginning September 2021

51

APPLYING TO THE PROGRAM:

- Application process is completely on-line.
- **Application Site open now:** www.pharmtox.utoronto.ca > Grad Programs > Admissions
- Separate deadlines dates for the payment of processing fee and for application documents to be received.

SEPTEMBER 2021 ADMISSION:

Visa Students studying outside North America:

Application deadline: **January 14, 2022**

Documentation deadline: **January 28, 2022**

Everyone else:

Application Deadline: **April 15, 2022**

Documentation deadline: **April 29, 2022**

There are benefits to applying early!

CONDITIONALLY ACCEPTED



**BUT WAITED TOO LONG TO
SECURE A SUPERVISOR**

Questions????