

Applied Clinical Pharmacology

MSc



Applied Clinical Pharmacology (ACP) is a highly customizable, course-based master's degree program. Our integrated curriculum incorporates greater breadth of study than a traditional thesis-based degree while still providing meaningful research opportunities. Our dynamic program aims to enhance the scientific, analytical, communication and professionalism skills of our learners. Our students complete interactive courses in clinical pharmacology, focusing on drug development, clinical trial design and drug safety, and the application of pharmacokinetic and pharmacodynamic principles. Throughout the ACP program, students interact with pharmacologists, physicians, pharmacists, and other healthcare professionals and trainees, gaining knowledge and skills related to clinical pharmacology and its application.

Small class sizes facilitate individualized programs of study. Students are encouraged to explore a variety of career interests through specialized coursework, a supervised research project, networking events and full-time placements in a variety of workplace settings. These settings can include the pharmaceutical industry, government, medical communications, healthcare and consulting agencies. Many of our students are offered full-time employment as they approach graduation, resulting from successful job placements during their program.

ACP students have a unique opportunity to develop team and leadership skills through participation in a wide variety of academic courses and extracurricular activities. Many graduates return to contribute to the success of our program by serving as mentors for current students.



**Students in this program
complete 8.0 FCE***

Year One

- PCL1002Y, Graduate Pharmacology (1.0 FCE)
- PCL1004Y, Clinical Pharmacology (1.0 FCE)
- PCL1100H, Applied Skills in Clinical Pharmacology (0.5 FCE)
- PCL1101H, Technology, Techniques and Translation in Pharmacology & Toxicology (0.5 FCE)
- PCL1400H Systems Pharmacology I (0.5 FCE)
- PCL1402H, Pharmacology and Toxicology in Drug Development (0.5 FCE)
- PCL1491H, Clinical Pharmacology: Principles in Practice (0.5 FCE)
- PCL1500H, Systems Pharmacology II (0.5 FCE)
- PCL2200Y Major Research Project (1.0 FCE)

Year Two

- 2.0 FCE electives

**Full course equivalent. A typical 0.5 FCE is over one term (13 weeks), meeting 1-2 times per week. A typical 1.0 FCE is over two terms (26 weeks), meeting 1-2 times per week.*



Careers in Pharmacology



Graduating Class of 2022



By the numbers

practicum placements led to

100%

graduate employment rate

40

research project supervisors
in 12 hospitals and research
institutes

50+

practicum placement
employers

16

annual class size

Application Deadlines

ADMISSIONS

Fall 2024 Entry

DOMESTIC

April 26, 2024

INTERNATIONAL

January 26, 2024



How to Apply:

pharmtox.utoronto.ca/acp

Email: pharmtox.dept@utoronto.ca