

DISCOVER YOUR STORY IN **PHARMACY**

UNIVERSITY OF
WATERLOO



YOU+ WATERLOO

uwaterloo.ca/pharmacy

Discover
a prescription
for success.

A critical component of our modern health-care system is the proper management of medications. With an aging population and increasingly complex range of treatments available to the public, the need for pharmacists has never been more crucial.

It isn't about counting pills. It's about the expertise necessary to ensure your patients feel safe and supported while taking their medications.

Be prepared to play an important role in the community and be a leader in the health-care field.

Let's explore your story in Pharmacy at Waterloo.

**VERY HIGH
FIRST-TIME
SUCCESS
RATES**

on all parts of
board exams

**PHARMACY
STUDENTS ARE:**

- > Creative
- > Curious
- > Motivated
- > Risk-takers
- > Community-minded

PHARMACISTS ARE:

- > Care providers
- > Effective communicators
- > Health advocates
- > Collaborators
- > Professionals
- > Leaders and managers



TRANSFORMING SKILLS INTO THE REAL WORLD

JOSEPH
DOCTOR OF PHARMACY CANDIDATE

While on his co-op term, Joseph worked for a compounding pharmacy during the children's cold medication shortage. He never anticipated the new challenges he would face. "I took on technician responsibilities, transcribing prescriptions, and additional compounding duties where I processed regular prescriptions and communicated with other health-care prescribers. I also helped administer COVID-19 vaccinations and flu shots. It was a great learning environment!" This opportunity gave Joseph a rich hands-on pharmacy experience.

CANADA'S ONLY

co-op Doctor of Pharmacy (PharmD) program

CO-OP MAKES US UNIQUE

With more than 1,000 employers directly related to pharmacy and 30-40 per cent more co-op jobs than students, you'll gain more experience, more professional contacts, and more confidence.

MORE TO EXPLORE

Meet us online for more tips and stories:

 [UWPharmacy](#)

 [UWPharmacy](#)



STATE-OF-THE-ART

education and research building, located in Kitchener's Innovation District (and just an eight-minute light-rail train ride from main campus)

MICHELLE DOCTOR OF PHARMACY CANDIDATE

Imagine a patient entering your pharmacy with an unlabeled bottle of medication. What are these pills? Searching for “round” and “white” in a database produces 5,253 matches.

The identification of mystery pills is a multi-billion-dollar issue and is the problem that Michelle hopes to solve with PillMatch, her business concept that won the 2021 Pharmasave Business Case Competition. PillMatch will use a photo of the mystery pill and automatically filter the photo against the database – returning with a potential match along with a confidence score.

Changing the world of pharmacy is what our students do.

PHARMACY PATHWAYS

When you think of pharmacy, it's normal to think of the pharmacist that dispenses medications and provides health-care advice to their community. After all, this is a rewarding and well-respected role within health care. However, there are over one hundred* pathways that you might take once you graduate from our Doctor of Pharmacy program.

*Recent survey by the International Pharmaceutical Federation (FIP).

Not only can you specialize in your area of expertise (like pediatric or infectious disease pharmacy) but you can also head into research or the tech sector.

Our students commonly head into the four pathways below, but we encourage you to follow your passions and interests.

- › Work as a pharmacist
- › Perform clinical research
- › Attend graduate school
- › Join a residency program

Approximately

25 CAP STATUS SPOTS

available each year

CAP STATUS ELIGIBILITY CHECKLIST

- ✓ 90% or higher high school average based on the requirements for admission to the recommended University of Waterloo Science programs (see page 5).
- ✓ Demonstrated leadership, community involvement, and, if possible, work experience.
- ✓ Interest in the profession of pharmacy, as demonstrated through the CAP Admission Information Form (AIF).
- ✓ Two letters of reference; one academic (e.g., teacher, principal, or guidance counsellor) and one from an employer or volunteer agency.
- ✓ Complete Acuity Insights assessment tools (CASPer, and Duet)
- ✓ Complete online asynchronous interview

CONDITIONAL ADMISSION TO PHARMACY

High school students who are committed to the field of pharmacy have an opportunity for early admission to the University of Waterloo's Doctor of Pharmacy (PharmD) program through our School of Pharmacy.

You can apply for Conditional Admission to Pharmacy (CAP) status by demonstrating that you're not only interested in the profession of pharmacy but also passionate about it. A limited number of CAP spaces are available each year.

To apply for CAP status, you must first apply for admission to a University of Waterloo Science program (see the chart on page 5 for recommended programs) through the Ontario Universities' Application Centre (OUAC). You then apply for CAP status through a separate OUAC submission.

If your application is successful, you'll have a place reserved for you in the PharmD program in two years – as long as you continue to meet the admission requirements.

To view application deadlines and determine if CAP status is the right path for you, visit our website.

uwaterloo.ca/pharmacy/cap

INDIGENOUS APPLICATION PATHWAYS

Contact us at pharmacy@uwaterloo.ca



THE APPLICATION PROCESS

Start the PharmD application process in

FALL TERM OF YOUR SECOND YEAR



START UNDERGRADUATE DEGREE

Complete a minimum of two years of university in a Waterloo Science program (see page 5 for recommended programs) or in another university or post-secondary program. Other institutions' programs are given equal consideration. To ensure the program and/or courses you take meet the requirements, contact pharmacy@uwaterloo.ca.



COMPLETE ACADEMIC PharmD ADMISSION REQUIREMENTS

Minimum university average of 75% required.

- › Introductory cell biology (one term)
- › Genetics (one term)
- › Fundamentals of microbiology (one term)
- › Introductory chemistry (two terms, one lab)
- › Introductory biochemistry (one term)
- › Organic chemistry (one term)
- › Calculus (one term)
- › Introductory statistics (one term)
- › English (one term)
- › Humanities or social sciences (two terms)



EARNING YOUR DOCTOR OF PHARMACY (PharmD) DEGREE

Our PharmD program prepares you to become a registered pharmacist (RPh). Candidates must complete specific undergraduate courses and requirements to qualify for admission into the program.

NON-ACADEMIC PharmD ADMISSION REQUIREMENTS

- › Direct work or volunteer experience in a pharmacy setting (min. 200 hours*)
- › Acuity Insights assessment tools (CASPer)
- › Admission Information Form (AIF)
- › One reference (preferably a pharmacist) via the online reference form
- › Synchronous virtual interview

*For CAP status students only

uwaterloo.ca/pharmacy/future-pharmd-students

Admission requirements are subject to change at any time. Check the website for the most up-to-date information.

120

Number of students admitted to the PharmD program each year

RECOMMENDED UNIVERSITY OF WATERLOO SCIENCE PROGRAMS

Before you apply to the Doctor of Pharmacy program, you first need to start in a post-secondary science program. At Waterloo, we offer three majors that'll best prepare you for admission. If you're interested in other majors, that's fine. Just note it will likely take you more time and possible degree modifications to achieve the academic requirements for Pharmacy admission.



HONOURS SCIENCE

Our most flexible science program, Honours Science allows you freedom when choosing your science courses (with a few ground rules, of course) and a healthy dose of free electives to achieve your English and humanities requirements.

› Available in the regular system of study only



BIOLOGY (LIFE SCIENCES)

Studying life and life systems is an obvious choice for those interested in pharmacy and other health-care professions, so it's a popular choice. It also has sufficient electives to ensure you can meet the academic admission requirements of our PharmD program.

› Available in the co-op and regular system of study. If you choose co-op, it will take at least three years to meet the academic requirements for the PharmD program, given that you'll alternate between academic and work terms.

› For CAP status applicants: you may apply into the co-op program. However, if you are successful in achieving CAP status, you'll automatically be moved into the regular system of study so that you can enter the PharmD program in two years.



BIOMEDICAL SCIENCES (LIFE SCIENCES)

Focus on human and other animal systems and their functions relating to health, disease, and the healing process. This major is specifically designed to meet all of the science requirements for common professional school programs, including the PharmD program.

› Available in the regular system of study only

ONTARIO ADMISSION REQUIREMENTS FOR THESE FACULTY OF SCIENCE PROGRAMS

› Advanced Functions (min. 70%)

› Calculus and Vectors (min. 70%)

› English (ENG4U) (min. 70%)

› Any two of: Biology, Chemistry, Earth and Space Science, Mathematics of Data Management, or Physics

› One additional U or M course

LOW 80s

Admission average to Honours Science, Biology, Biomedical Sciences

EARN TWO DEGREES

Pursue a Waterloo Science program and graduate with two degrees – Honours Science BSc and PharmD

ACKNOWLEDGEMENT OF TRADITIONAL TERRITORY

The University of Waterloo acknowledges that much of our work takes place on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee peoples. Our main campus is situated on the Haldimand Tract, the land granted to the Six Nations that includes six miles on each side of the Grand River. Our active work toward reconciliation takes place across our campuses through research, learning, teaching, and community building, and is co-ordinated within our Office of Indigenous Relations.

YOU+WATERLOO

Our greatest impact happens together



WATERLOO IS COMMITTED TO ACTING ON THE CLIMATE EMERGENCY

and is working toward carbon neutrality and zero waste in our own practices. The paper this publication is printed on contains post-consumer fibre and is Forest Stewardship Council® (FSC®) certified.

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