Why Study Pharmacology?

- An understanding of pharmacology necessitates integration across all areas of life science, meaning a graduate will be well rounded in his or her knowledge.

- Pharmacological research epitomizes human biomedical advances, and emphasizes finding practical applications for its research results.

Those familiar with our program respect the high level of education we provide to our students, and know that a UBC pharmacology graduate is broadly trained and equipped with the skills for research.

Fact: Aspirin (acetylsalicylic acid) was developed from a compound isolated from willow bark (salicin), which had been known to help heal headaches, pains and fevers as far back as 377 B.C.

Job Opportunities

Graduates of our program have found careers in:

- Academia
- Law
- Industry
- Medicine
- Education
- Dentistry
- Business/MBA

Employer & Student Testimonials

"The UBC pharmacology program provided great opportunity and training for young researchers. Through the Co-op program, I gained valuable experience at an early period in my education, which acted as a springboard into my current research career."

- Monica Leung, Class of 2004
- Ph.D. New York University, 2010

"The undergraduate pharmacology curriculum did a lot more than impart a set of useful knowledge - it trained me in critical thinking and helped me build a conceptual framework that remains with me to this day. As long-lasting, if not more, are the friendships and mentorships I formed. It was a true privilege to be part of this great tradition."

- Xingxing Shelley Cheng, Class of 2007
- M.D. Washington University School of Medicine in St. Louis, 2011

Undergraduate Research Training

The following are a small sample of publications involving research performed by former students (bold) during their undergraduate degree, who have not only graduated with a BSc in Pharmacology, but with invaluable experience for their curriculum vitae, making them more competitive for awards applications, medical school, and other career endeavors.


Interested in a career in pharmacology?
Meet Eligibility Requirements?
>80% First Year Average?

Contact our undergraduate secretary, Ms. Wynne Leung, to confirm eligibility and set up an interview with our undergraduate advisor

604-827-3289
wynne.leung@ubc.ca
Room 211, 2176 Health Sciences Mall

DEPARTMENT OF ANESTHESIOLOGY, PHARMACOLOGY AND THERAPEUTICS

Bachelor of Science in Pharmacology
www.pharmacology.ubc.ca
What is Pharmacology?

- Broadly speaking, pharmacology deals with:
  - The effects of drugs on cells, organs and systems
  - The development and use of drugs in treatment and prevention of disease
  - The use of drugs to learn more about how the body functions in both health and disease

- Pharmacology is a branch of medicine and biology that necessitates integration of many areas of science as it strives to unlock the mysteries of drug actions and work towards better therapeutic options in health and disease

Pharmacology at UBC

Experience one of the most unique undergraduate programs in all of North America:

- 4-year B.Sc. Programs in Honours and Majors Pharmacology
- Optional 1-year Co-operative education program add-on
- You will learn skills that will place you highly in demand in academia and industry
- Lab- and lecture-based instruction in a team-taught format ensures exposure to experts in the different areas of pharmacological study

- Minimum 50 hours of in vivo and in vitro laboratory experience, with an emphasis on experimental design and scientific communication
  - An extensive 4th year honors laboratory that further develops your experimental skills
  - The option of a directed studies (PCTH 448) or honors thesis project (PCTH 449) for more research training, with the potential for publication!
- Small class setting ensures you will have access to your instructors and get to know them as well as they will get to know you

Co-op Experience

Want a taste of research in an academic or research setting and to make contacts in your field of research?

- Pharmacology works closely with UBC Science Co-op to offer students the opportunity to engage in 12-16 months of work experience between their 3rd and 4th years
- Using our contacts in academia and the pharmaceutical industry, we’ve placed students in Canada, the US, the UK, Spain, Austria, Switzerland, Singapore, Japan, and many more locales!

Visit [www.sciencecoop.ubc.ca](http://www.sciencecoop.ubc.ca) for details.

Requirements

- Admission is by application – which includes completion of 1st and 2nd year prerequisite courses and an informal interview – prior to entering your 3rd year of study
- Selection is based on a high degree of academic performance and suitability for pharmacological research
- Complete Program Details are available in the UBC calendar: [www.calendar.ubc.ca](http://www.calendar.ubc.ca)

Other Courses

Interested in pharmacology as an elective? We have several courses available, open to students in all faculties; see the UBC calendar for further details on the courses listed below:

PCTH 201 - Drugs and Society
PCTH 305 - Basic Human Pharmacology
PCTH 325 - Rational Basis of Drug Therapy