

BIOCHEMISTRY

ABOUT THE PROGRAM

The Biochemistry co-op program at the University of Toronto Scarborough is designed for students who wish to **study complex chemical processes and the composition of matter in living organisms.**

Students can focus on specific areas of interest after exploring a range of topics in Biochemistry including toxins and poisons, enzymes and proteins, DNA and RNA, and more. The program's course load prepare students for a wide range of career paths including avenues in medicine, biotechnology, public policy, and more.

Students leave the program with the ability to:

- **apply various research methods and methodological approaches;**
- **conduct lab research with a solid foundation in ethical principles;**
- **present conclusions and research findings to a variety of audiences;**
- **prepare technical reports and project proposals, and more.**

They develop this skill through courses such as *Molecular Aspect of Cellular and Genetic Processes*, *Chemical Thermodynamics and Elementary Kinetics*, *Organic Synthesis*, *Practical Approaches to Biochemistry*, *Pharmaceutical Chemistry*.



Whether your organization is in the pharmaceutical industry, the health technology space, or the public sector, we are prepared to connect you with a student that matches your organization's needs. Our Co-op department offers full recruitment service support. Once you send the job description, our team works diligently to ensure your role reaches a wide audience of students. With our help, you can complete your hiring process in as few as 10 business days.

SAMPLE JOB TITLES

Quality Analyst

Scientific Affairs Liaison

Drug Safety Assessor

Scientific Analyst/Regulator

Junior Environmental Scientist

STUDENT PROFILE

JOSHUA ATIENZA

“Co-op students are motivated to learn. They have so much initiative and care about the quality of their work. If you invest in co-op students, your investment will be paid back. They are some of the most fantastic, driven, and creative team players.”

**ENVIRONMENTAL /
PHYSICAL SCIENCES**

PROFILE : JOSHUA ATIENZA

As part of his work term, Biochemistry co-op student Joshua Atienza was mentored by Dr. Norbert Ajeauwung, a post-doctorate at CHU Ste Justine in Montreal. While there, Joshua was able to enhance his understanding of the

APPLICATION OF MEDICINE:

“My time at the Schulze Lab gave me an opportunity to examine genetic disorders in a genetic and biochemical perspective. I presented at different conferences such as the SSIEM Annual Symposium in Greece or through local departmental talks such as the GGB discovery series.”



**CO-OP STUDENTS
ARE MOTIVATED
TO LEARN.”**

The work term was a beneficial arrangement for both Joshua and his employer. Over Joshua's four-month period with the organization, he applied soft and hard skills to the role, which included conducting research. “I used techniques from biochemistry and molecular biology to examine protein interactions and stability in Rothmund Thomson Syndrome.”

Joshua strongly believes in the value Arts & Science Co-op students bring, emphasizing their critical thinking skills, experience with research projects, communication skills, and attentiveness to detail within their studies.

Your next big hire is from the University of Toronto Scarborough Arts & Science Co-op program.

Tap into our full-support team to hire in as few as 10 business days: uoft.me/hirestudents

CO-OP IN ACTION

“We have had the pleasure of participating in UTSC's Co-op program over the past 4 years. As a health regulator, the students have greatly assisted us in carrying out our mandate to protect the public interest by working on projects that involved governance, communications, policy research and policy development. We highly recommend this program, and want to thank the Co-op office for their tremendous assistance - scheduling interviews and hiring students was efficient and quick every year.”

Judith M. Rigby, CPA, CGA
Registrar and CEO
College of Dental Technologists of Ontario

HEALTH STUDY