

# ENVIRONMENTAL BIOLOGY

## ABOUT THE PROGRAM

**Humans impact the world in complex and profound ways. The Environmental Biology Co-op program at the University of Toronto Scarborough teaches students how to understand the environment through a biological sciences lens.**

In this program, students approach environmental science through studying topics in ecology, evolution, and conservation biology.

Students in this program will first learn the fundamental concepts and principles related to the biological consequences of global environmental change. In later years, students then study these themes in greater depth, while also being presented with opportunities to conduct field and lab research in the areas of biodiversity science, conservation biology, and global change science.

Students complete the program with:

- a deep understanding of the causes and consequences of human impact on the environment at the individual organism level, through to global scales;
- transferable skills in environmental data collection and analysis; and
- environmental impact assessment preparation.



These and other skills are taught through courses such as *Life on Earth: Form, Function & Interactions*, *Ecology and Evolutionary Biology Laboratory*, *Environmental Microbiology*, and *Biodiversity and Biogeography*.

The University of Toronto Scarborough's students are among the best in the country. Their instruction by world-class professors and mandated co-op preparation training, empowers them to enter the workforce with the academic and professional skills required to tackle business and societal problems with innovative solutions. From posting to hiring, we can help you fill your role in as few as 10 business days.

## SAMPLE JOB TITLES

**Lab or Field Assistant**  
**Environmental Impact Assessor**  
**Education Coordinator**  
**Climate Change Risk Assessor**  
**Assistant Environmental Planner**



# STUDENT PROFILE

JULIA MATA

*“In order to understand the environment, you need to know the geological, atmospheric and biological processes that occur and the environmental biology program does a good job making sure we understand that. We can then use that knowledge working in the environment sector.”*

**ENVIRONMENTAL /  
PHYSICAL SCIENCES**

## PROFILE : JULIA MATA

“In class, we are taught past and current understandings of a topic (e.g. climate change). Not only does this allow us to have a **WELL-ROUNDED UNDERSTANDING**, but we can also see how people have approached the issue in the past. So by learning in the classroom and through doing our own research, students in this program have learned to think critically about our approach to a problem and this translates to any workplace. Also, skills are taught such as written and oral communication in a scientific setting, data collection, and lab techniques.”



**CO-OP STUDENTS  
LEARN TO THINK  
CRITICALLY.”**

“A large part of my position working for the Federation of the Canadian Municipalities was assisting with internal research done for their program known as the Green Municipal Fund (GMF). As I learned about past projects funded by GMF, I had to read reports that contained technical terms and concepts that I learned in class. I also had to collect data, analyze it and write a report. Finally, I also had to present my projects to others. These are all skills I have developed throughout my undergraduate experience.”

“Well the great part about the environmental biology program is you learn a variety of different skills. On top of our normal environmental science and biology courses, we are expected to take a computer science course, so we get experience with coding. Also, we get hands-on experience during our lab courses. We get the chance to do experiments in the field and the lab. The program also has a lot of good professors that provide a lot of opportunities for you to help with their research. I have personally volunteered for 2 different professors in the past and I currently work for another.”

“In general, the University of Toronto of Scarborough is a great school. I always feel challenged and engaged in the classroom and there are so many opportunities to get involved. As a leading school in Canada, U of T has taught me many soft and hard skills that I can then apply to my co-op positions, graduate degree and future careers.”

## 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

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

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few as 10 business days: [uoft.me/hirestudents](http://uoft.me/hirestudents)**

