

# ENVIRONMENTAL PHYSICS

## ABOUT THE PROGRAM

The University of Toronto Scarborough's Environmental Physics program was designed specifically for students who want an environmental education that's firmly rooted in the physical and mathematical sciences.

Our students develop a scientific foundation of knowledge through courses such as Introduction to *Planet Earth*, *Mechanics*, *Electricity and Magnetism*, *Thermal Physics*, and *the Calculus of Several Variables*.

You can expect our students to have:

- the training to apply the principles of physics to environmental problems;
- the ability to conduct field research;
- the interpersonal skills to work in multidisciplinary groups; and
- the capacity to effectively communicate information through technical reports and project proposals.

Our students also have the opportunity to earn the Environmental Professional in-training (EPT) accreditation.

Our co-op program offers flexible work terms; you can choose co-op students based on your organizational needs, ensuring students are positioned most effectively within your organization.



You'll also have the option of choosing from 4, 8, or 12-month work terms, allowing you to bring students for a short-term, intensive project or benefit from their contribution over a longer period of time. From posting to hiring, we can help you fill your positions in as few as 10 business days.



## SAMPLE JOB TITLES

**Junior Environmental Planner**

**Junior Policy and Data Analyst**

**Product Tester**

**Junior Environmental Scientist**

**Junior Scientist/Technologist**

## STUDENT PROFILE

ALICE WANG


*"My work involved a lot of Python, which I had learned from the required courses in my program. I'm able to teach myself new skills, so I was also a fast learner when I'd encountered new instruments, doing new literature reviews, and solving equations for climate data retrievals. I was also able to draw on learnings from my math courses quite a bit throughout my work term when generating formulas in coding processes."*

ENVIRONMENTAL /  
PHYSICAL SCIENCES

### PROFILE : ALICE WANG

A research trainee at Centre for Global Change Science, Environmental Physics co-op student Alice Wang cites her strengths in data analysis combined with her Python skills as a key asset in her successful work term:

"The ability to complete a data analysis set up is essential. Many positions in my field are related to data and coding, so the ability to code is important in addition to strong **FOUNDATIONAL KNOWLEDGE** in the essentials of environmental science: climate change, wind dynamics, water quality, environmental law also helped me in my work term."



**STRONG ABILITY  
TO CALCULATE AND  
ANALYZE."**

"In addition to excellent problem solving skills, Environmental Physics students have strong abilities to calculate and analyze data accurately. Students in my program provide a combination of knowledge for environmental science and physics, which makes students like me more marketable than students in single subject program."

**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](https://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

