## Ph.D. position in coastal ocean processes at the University of Toronto

## **Position details**

Employer and location: University of Toronto, Toronto, Canada Education level: undergraduate degree or master's degree (preferred) Job Type: Ph.D.

Closing date: review of applications will continue until the position is filled

## Minimum requirements

- Hands-on experience in data processing and analysis for hydrologic, atmospheric, or oceanographic science
- Hands-on experience with Fortran, Python, or other programming language for large-scale data processing
- Ability to translate physical and mathematical insight into computer programming language
- Bachelor's degree or equivalent experience in mathematics, physics, engineering, or related field

Hydrogroup at the University of Toronto, Department of Civil & Mineral Engineering seeks one highly motivated Ph.D. student to work on dynamics and numerical modeling of the coastal ocean. The position is expected to begin in 2026. This project will focus on characterizing coastal water properties using simulation experiments performed with state-of-the-art, coupled coastal ocean—atmosphere numerical model. The project practical aims are to facilitate adaptive design and operation of built infrastructure in the coast, to quantify variability of coastal water properties associated with natural and anthropogenic forcing, and to anticipate shifts in these properties in a changing global climate.

## How to apply

Interested candidates with a passion for water science and engineering are encouraged to contact Hydrogroup leader (<u>hamed.ibrahim@utoronto.ca</u>) with their CV and a one-page statement of research interest.