

# Water and Human Health G.Dip



Applying to and Navigating Graduate Studies

## Why a GRADUATE DIPLOMA in WATER AND HUMAN HEALTH?

The Graduate Diploma in Water and Human Health, hosted by the Beaty Water Research Centre (BWRC), is designed to give recent graduates and professionals an enhanced understanding of the role of water in driving health outcomes and ultimately the sustainability of populations and communities. This diploma will investigate water in its natural state with an emphasis on the chemical and biological contaminants on human health. The movement of water throughout watersheds will be explored to give students an understanding of hydrological processes, while water regulations and policy will be discussed within the context of driving governance issues in many jurisdictions around the world.

Current students enrolled in a graduate program at Queen's may take Water and Human Health Courses, but are not eligible to receive the Diploma in addition to their chosen degree of study. At this time, graduates of the diploma can ladder to a MEng or MSc Degrees within the Department of Civil Engineering, the School of Environmental Studies and the Department of Geography and Planning. Students of the program can apply for promotion to Master's status prior to graduation or for admission with advanced standing within 5 years of graduating from the diploma.



## Program STRUCTURE

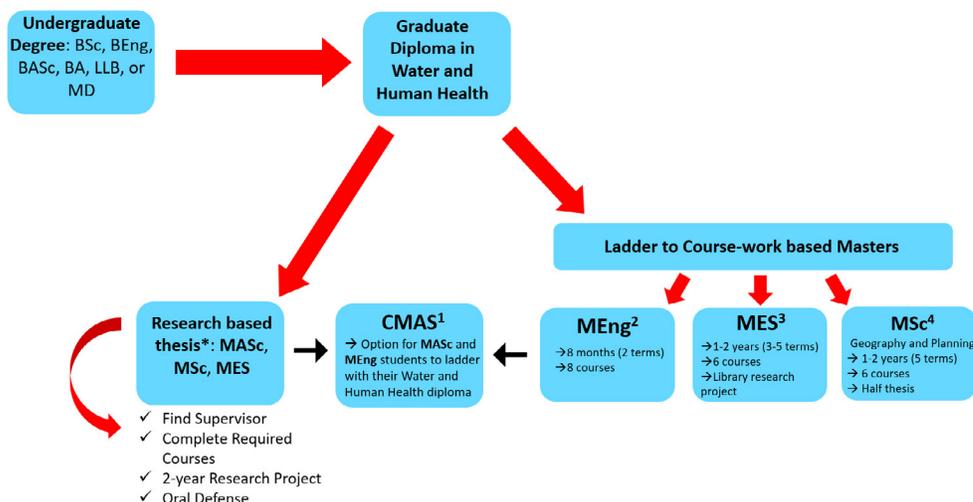
The Water and Human Health Graduate Diploma consists of 4-online courses which are offered at a full-time (4-courses over one term) basis. The length of the program aligns with the current 12-week structure of Queen's on campus semesters. Diploma graduates may ladder their 4-course credits into two types of Master's degrees at Queen's: **1) Research Based Thesis** or **2) Course-based**.

2. To instill the capacity to critically evaluate water issues and identify key aspects of concern to human health
3. To develop the skills to apply current knowledge to water and human health issues
4. To competently be able to communicate at a high level, the different aspects of water and human health issues.

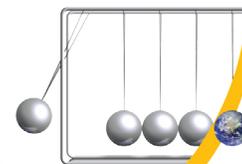
This diploma is designed to prepare students for a career in a variety of industries and organizations. This includes working in the public health sector, engineering and environmental consulting, conservation authorities, non-profit organizations and government planning and management.

## Program OBJECTIVES

1. To develop the depth of understanding of the role of water in the environment and its impact on human health



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\* To obtain a MASc or MSc with a research thesis component, students may be granted advanced standing for one or more of the courses completed in the Graduate Diploma.

1 Collaborative Masters Program in Applied Sustainability: <http://my.engineering.queensu.ca/programs/mas/>

2 <https://engineering.queensu.ca/future-students/graduate/why-meng/>

3 <https://www.queensu.ca/ensc/graduate/mes-program-guide>

4 <https://www.queensu.ca/geographyandplanning/mamscphd/graduate-programs>

# Graduate Studies FAQs

## Where can I get help?

Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming environment offers the programs and services you need to be successful, both academically and personally. Check out the [SGS HABITAT](#) or contact the [Water and Human Health Diploma Coordinator](#) for support and available resources.

## What Courses are Part of this Diploma?

### i) **Chemistry and Biology of Natural Waters**

Water within the natural environment both drives and supports a complex web of chemical and biological processes and populations. This course covers several topics of prime importance related to understanding the underlying water quality conditions important to human health.

### ii) **Watershed Hydrology**

The movement of water throughout the natural and built environment plays an important role in the sustainability and health of water resources. This course will introduce the concept of a watershed, covering general aspects such as surface water hydrology, groundwater, ecosystems, anthropogenic and meteorological influences.

### iii) **Water Policy and Governance**

Water governance or the lack thereof, permeate the global human experience. This course will investigate water governance from the science, engineering and policy aspects found around the world.

### iv) **Water and Human Health**

Bringing it all together, this course is designed to give students an enhanced understanding of the role of water in driving health outcomes and ultimately the sustainability of populations and communities.

# Application FAQs

## What do I need to know to **APPLY**?

### ACADEMIC REQUIREMENTS

To be considered for admission to the Graduate Diploma in Water and Human Health, an applicant must hold a minimum of a second-class standing in one of the following degrees, awarded by an eligible institution:

- i) An honors bachelor degree in Arts\* or in Science;
- ii) A bachelor degree in Applied Science or Law\*;
- iii) A degree of Doctor of Medicine;
- iv) Or equivalent.

The qualifications of an applicant who has a bachelor's general degree with no less than a B grade average will be considered on an individual basis.

### ADDITIONAL REQUIREMENTS

\*Technical knowledge of chemistry and mathematics will be required for some courses. For those applicants without evidence of relevant introductory undergraduate courses, bridge courses may be required to fulfill the technical knowledge gap that may exist. Current bridging courses offered through the Faculty of Engineering and Applied Sciences include:

MNTC P01: Engineering Mathematics

MNTC P06: Foundational Chemistry

MNTC P05: Foundational Physics

For international students, if required, a TOEFL total score of at least 600 (paper based) or TOEFL iBT minimum score of: writing (24/30); speaking (22/30); reading (22/30); listening (20/30), for a total of 88/120. Applicants must have the minimum score in each test as well as the minimum overall score.

## What about **FEES**?

The tuition fees for the WHH program for 2019 will be \$6,180 for domestic students, and \$12,360 for international students.

Tuition does not include mandatory student fees. International students must also enrol in the University Health Insurance Plan.

Details about fees and fee payment can be found on the website of the [Office of the University Registrar](#). Fees for the upcoming academic session are normally published to the above website in May (2019).

## What about **FUNDING**?

A graduate diploma is considered a professional program and therefore there is no specific funding available.

## Where to **APPLY**?

<https://www.queensu.ca/sgs/prospective-students/how-apply>



BEATY WATER  
RESEARCH CENTRE

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