



# URBAN WATER

## INFRASTRUCTURE & ENVIRONMENT

### THE INTERNATIONAL SEMESTERS

The International Semesters in Urban Water are two 5-month programmes, each comprising courses and a multidisciplinary project of 30 ECTS in total. The two semesters can be taken individually or jointly. All curriculum activities are conducted in English and are dealt with in an international perspective. The latest know-how and state-of-the-art computer models are applied in an always practical engineering approach to the complex environmental problems.

### ADMISSION REQUIREMENTS

The semesters are intended for international and Danish students having passed at least two years of a Civil and/or Structural Engineering programme. For the Wastewater Engineering semester, a course in basic Hydraulics is a prerequisite. For the Water Supply Engineering semester, both knowledge of basic Geology and Hydraulics is a prerequisite.

Proficiency in English is required (IELTS 6.5, TOEFL IBT 83, Cambridge)

### AUTUMN SEMESTER: WASTEWATER ENGINEERING

Enrolled in the Wastewater Engineering semester you will learn how to analyse and design the complex infrastructures for wastewater management, including design and optimization of sewer systems, design of wastewater treatment plants, estimation of impact on receiving water bodies and much more.

### SPRING SEMESTER: WATER SUPPLY ENGINEERING

Enrolled in the Water Supply Engineering semester you will learn about methods for identification, assessment and withdrawal of ground water resources, and how water can be treated to obtain the desired potable water quality. You will also learn to design the distribution network, and how public planning and management procedures can enable a safe and secure water supply system.

### LEARNING ENVIRONMENT

A semester comprises lectures, assignments and laboratory work prevailing the first quarter, and team work on a large multidisciplinary project in the second quarter. The multidisciplinary project serves to train the application of theories from the courses through the problem analysis and proposal of solutions to a real-life environmental project in its entirety. A course in Co-operation, Learning and Project Work enables you to perform efficiently and methodically in a project team.

### BACHELOR'S PROJECT

Following one or both of the Urban Water semesters, you can apply to conduct a 30 ECTS-credit Bachelor's Project.

### STUDY PERIOD AND APPLICATION DEADLINE

The Wastewater Engineering semester runs from end August through January. Application period is 1 March to 1 April.

The Water Supply Engineering semester runs from the end January through June. Application period is 1 September to 1 October.

A maximum of 20 international students is accommodated.

### FIND OUT MORE

Visit our website at [ingenioer.au.dk/en/education/international-programme/](http://ingenioer.au.dk/en/education/international-programme/) or contact International Coordinator Fie Bøje Misholt. E-mail: [fbo@au.dk](mailto:fbo@au.dk)