

Since 2008 students have been given the opportunity to graduate in Water Technology at the Technological Top Institute for Water Technology research, called Wetsus. Wetsus started a separate academic master programme in cooperation with three Dutch universities; Wageningen University, University of Twente and University of Groningen. The programme is offered jointly by these universities and is coordinated by Wetsus Academy in Leeuwarden. Leeuwarden as the “Capital of Water Technology” aims to be the center of Water Technology in Europe and facilitates initiatives and developments in the area of research, business and education. At the moment all performers in the field of Water Technology have united their capacities under the name “WaterCampus”.



As a student Water Technology you will be at the center of the Wetsus’ multidisciplinary laboratory, in which 80% of the national research in water technology will be carried out. Students specialize by writing their MSc thesis within the Wetsus research programme. The research programme of Wetsus is divided into several research themes such as;

- Sustainable water supply
- Wastewater treatment and reuse
- New water sources
- Reuse and production of components
- Energy and water
- Detection of pathogens and micro/nano pollutants

Students apply for the Master’s programme Water Technology at Wageningen University, but are also enrolled at the other two universities. They have access to the facilities of all three universities. Upon the successful completion of the programme, students receive one joint degree “MSc Water Technology” issued by all participating universities.

Special features of our programme

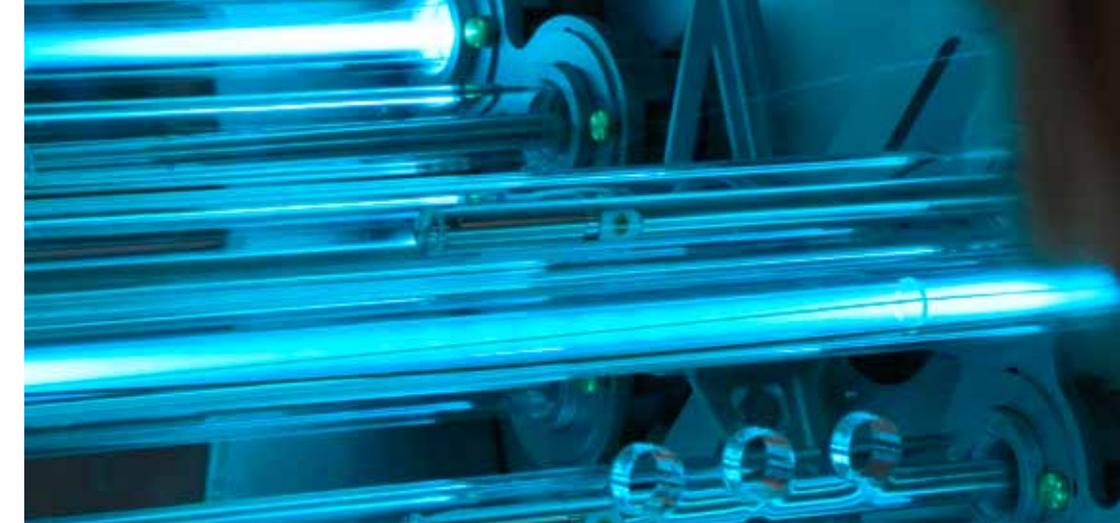
- Unique personal approach, with much attention given to both the group and individual students
- Easy access to researchers and professionals within an extensive (international) network of expert institutes and companies
- Education in the centre of excellence research in water (process)technology
- Access to excellent research facilities and infrastructure
- Easy access to teaching staff and programme management
- Career perspectives in research, business and opportunities to market technologies (entrepreneurship)
- Regular contact with professionals in the field
- Education in small groups, up to a maximum of 30 students, enables a personal approach and individual attention by lecturers, staff and other students
- Opportunity to choose additional courses in topics of personal interest at the cooperating universities

Target group

The MSc Water Technology programme specifically targets students interested in beta science and technology. It is a valuable addition for postgraduate students with a completed bachelor degree in Environmental Engineering, Chemical Engineering and Biotechnology or in related fields with a strong basis in mathematics, physics, chemistry and/or biology. An engineering component and provable affinity to water processes are preferable.

Objective

The programme prepares students for a professional position in the broad area of water technology. Graduates have good national and international career prospects in business and research.



The programme

The MSc Water Technology is a two-year programme (120EC). Each academic year is divided in two semesters (four periods). The compulsory part of the programme consists of 6 courses (30EC), a design project (10EC), an internship in a company (15EC) and a graduation project (with a minimum of 38EC). With their internship and graduation project, students become acquainted with water technology in the field and in research. The elective part of the programme, with a maximum of 27EC, offers students the opportunity to choose their own profile within the different research themes of the relevant chair groups and/or provides in-depth disciplinary and multidisciplinary insights into several fields.

Compulsory courses:

- Global Water Cycle
- Colloid chemistry
- Chemical reactor design
- Bioreactor design
- Multicomponent mass transfer in membrane processes
- Biological water treatment and recovery technology

Internships in a water-technology-related field can be done in the Netherlands and abroad.

Example of companies where our students have carried on internship in the Netherlands:

- | | |
|--------------|--------------|
| • Akzo Nobel | • Voltea |
| • Vitens | • Microlan |
| • Evides | • DeSah |
| • Magneto | • Wetterskip |

The final thesis has to be carried out in water-technology-related PhD-project at Wetsus or at one of the participating universities.

General information

Course duration is 2 years on a full-time basis.

Admission requirements:

- Relevant bachelor degree
- A grade point average (GPA) in Bachelor's study of 70% of the maximum scale
- Sufficient English Language Proficiency Test Results (www.wur.nl)

Information and application

For more information, course description, alumni information, frequently asked questions, application forms, accommodation, living in Leeuwarden and more, please visit our website:

www.wetsusacademy.nl.

Applications and information requests can be emailed to wetsusacademy@wetsus.nl.

Other interesting sites:

- www.wur.nl
- www.rug.nl
- www.utwente.nl
- www.watercampus.nl
- www.wetsus.nl
- www.cew.nl (only Dutch)
- www.ucf.nl (only Dutch)



MSc Water Technology

(joint degree)



www.wetsusacademy.nl



Wetsus is co-funded by

- the Dutch Ministry of Economic Affairs (IOP-TTI, Peaks in the Delta)
- the Dutch Ministry of Infrastructure and the Environment
- the European Union (European Fund for Regional Development and Seventh Framework Programme), investing in your future
- Northern Netherlands Provinces (REP-SNN)
- the City of Leeuwarden, the Province of Fryslân and University Campus Fryslân



university of
 groningen

UNIVERSITY OF TWENTE.



WAGENINGEN UNIVERSITY
WAGENINGEN UR

