

Career prospects

- // civil and environmental engineering companies
- // Planning and consultancy offices
- // Environmental protection agencies and environmental education institutions
- // Environmental authorities and research institutes



"In the Master's programme in Environmental Engineering at the HTW Dresden, I am particularly attracted by the teaching methodology which balances between practical and theoretical knowledge, also the exchange students all over the globe join in every semester gives exposure to different cultures. In addition, the supportive nature of the professor's and other staff members motivates you towards your goals."

Sanket Patil (India)
2nd semester
Environmental Engineering

Study Requirements

- // first university degree with a Bachelor or Diploma in engineering, natural or environmental sciences with a minimum of 180 ECTS
- // English language skills have to be verified by suitable tests, such as TOEFL (min. 550 points, computerbased 213 points, internet-based 79 points), IELTS (min. 6.5), Cambridge Certificate in Advanced English (min. B); Cambridge Certificate of Proficiency in English (min.B)

Application

- // International Applicants with a foreign university entrance qualification apply via uni-assist. Application deadline for winter semester: **15th June.** More information about the application process at: www.htw-dresden.de/degreestudents
- // German applicants and applicants with a German university degree apply directly at HTW Dresden. Application deadline for winter semester: **15th July.** More information at: www.htw-dresden.de/bewerbung

Studying at HTW Dresden

- // high practical relevance in teaching and research
- // personal study atmosphere in small groups
- // rich variety of internship opportunities in industry
- // no tuition fees

Contact

Faculty academic advising

Prof. Dr. rer. nat. Ulrike Feistel, Mr. Jakob Ebermann
E-Mail: environ.eng@htw-dresden.de
Phone: 0351 462 2668
www.htw-dresden.de/environmental-engineering

Coordinator for international prospective students

Ms. Britta Weber
E-Mail: international@htw-dresden.de
Phone: 0351 462 2015
www.htw-dresden.de/international



Hochschule für Technik und Wirtschaft Dresden

University of Applied Sciences
Friedrich-List-Platz 1
01069 Dresden

www.htw-dresden.de
Visit us at:



ENVIRONMENTAL ENGINEERING

MASTER OF ENGINEERING



ACHIEVE MORE PRACTICALLY

Environmental Engineering

You have a preference for project management and a desire for protect the human population from adverse environmental factors? You wish to deepen your expertise in the areas of potentially deleterious effects of natural and human activities? You want to develop novel solutions to problems by applying specialized knowledge? Then take a look at the Master's programme in Environmental Engineering.



Compact profile

Degree:	Master of Engineering (M.Eng.)
Language of instruction:	English
Study form:	Full-time-studies on campus
Semester start:	Winter semester
Standard length:	4 semesters
ECTS-Points:	120

Study Objective

As a graduate of the Master's programme in Environmental Engineering, you will be equipped with scientific knowledge and application related know-how in the field of technical environmental protection and environmental planning.

You will be aware of the new developments of renewable energy and also be able to develop innovative solutions to problems and manage projects in a leading position. Your acquired knowledge opens up career prospects in research and business in an international environment.



Environmental Engineering

1st to 3rd semester
Professional studies

Application-oriented expertise in mandatory and mandatory elective modules

4th semester
Master thesis

Master thesis (in cooperation with a partner company is recommended)

Master of Engineering

Curriculum

1st Semester

Hydrology & Hydrometry

Floodplain Ecology

Thermal Renewable Energy

Innovation in Industry and Transportation

Elective subjects:

// Climate Change

// Geographic Information Systems and Spatial Database Systems

// Remote Sensing

Studium Integrale (interdisciplinary elective course)

2nd Semester

Groundwater Management

Engineering Hydrology (Floods and Droughts)

Water, Air and Soil Analysis

Railway Engineering

Virtual Intelligent Environments

Sustainable Business Management/Ecopreneurship

Scientific Work, Communication and Project Management

3rd Semester

Hydraulic Modeling

Solid Waste Management and Recycling

Renewable Energy (Solar, Wind, Waterpower)

Soil Management

Elective Subjects:

// Water and Wastewater Treatment

// Resource Management Mining

// Geotechnical Project

// Construction Materials

// Landscape Development and Construction

// Sustainable Agriculture/Organic Farming

4th Semester

Master thesis