



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master Environmental Engineering (MEng)

Hochschule für Technik und Wirtschaft Dresden – University of Applied Sciences • Dresden



Overview

Degree	Master of Engineering (MEng)
Teaching language	<ul style="list-style-type: none">English
Languages	Coursework and exams are in English. The Language Centre of HTW Dresden offers course-related German language courses.
Full-time / part-time	<ul style="list-style-type: none">full-timepart-time (study alongside work)
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	International applicants: 15 June German applicants: 15 July
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The study profile of this programme gives some expertise in several topics of environmental engineering and new technological developments. This course of study focuses on the broad field of water and soil engineering.</p>

Graduates of the Master's degree programme have acquired deep knowledge and understanding of water and soil engineering, flood and drought management as well as innovative engineering technologies, renewable energy, environmental economics, and energy management. They are able to develop resource management concepts and to find site-specific sustainable solutions, to investigate, model, and evaluate relevant environmental processes, based on a broad understanding of material properties, GIS, and remote sensing. Critical discussions throughout the

programme encourage our graduates to combine well-established and innovative technologies, to effectively apply scientific methods, and to reflect on the impact of their actions on the environment and society. They will act with a proper awareness of their responsibility.

Course Details

Course organisation	<p>The programme is composed of the following compulsory modules:</p> <p>Hydrology and Hydrometry, Thermal Renewable Energy, Innovation in Industry and Transportation, Scientific Work – Communication and Project Management, Engineering Hydrology (Floods and Droughts), Renewable Energy (Solar, Wind, Waterpower), Sustainable Agriculture / Organic Farming, Urban Ecology, Agile Green Business Design, Environmental Impact Assessment, Soil Management, Floodplain Ecology, Urban Transport Planning</p> <p>And the following elective modules are offered:</p> <p>Water – Air and Soil Analysis, Geographic Information Systems, Remote Sensing, Hydraulic Modelling, Water and Wastewater Treatment, Experimental Soil Mechanics, Construction Materials, Railway Engineering, Applied Programming (Python), Climate Change, Managed Aquifer Recharge, Solid Waste Management and Recycling, Building Information Modelling (BIM), Landscape Development / Soil and Water Bioengineering, German for Environmental Engineering A1, German for Environmental Engineering A2</p> <p>The fourth semester is dedicated to writing the Master's thesis. Research work for the thesis can be conducted in industry or at a research institution (including HTW Dresden).</p> <p>» PDF Download</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • International guest lecturers • Projects with partners in Germany and abroad • Study trips • Content-related regional focus
Integrated internships	Short internships are possible during semester breaks. The Master's thesis can be completed as an in-company project.
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	The semester contribution amounts to approx. 300 EUR pro semester. The fee includes a semester

ticket covering local public transport (in Dresden and in the region of Saxony) and student services.

Costs of living

The cost of living amounts to approx. 700-900 EUR per month to cover personal expenses. This includes accommodation at a cost of 250-350 EUR per month.

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

The university has a scholarship programme for excellent students (Deutschlandstipendium). Recipients receive approx. 300 EUR per month.

Requirements / Registration

Academic admission requirements

A Bachelor's or "Diploma" degree in Natural, or Environmental Sciences, Civil Engineering, Chemical Engineering, Water Engineering or Environmental Engineering with 180 ECTS credits (European Credit Transfer System) is required.

For applicants from other institutions not familiar with the ECTS, uni-assist e.V. will convert the existing credits or grades.

Language requirements

Applicants who are not native English speakers must successfully pass a language test. Applicants should have a minimum of one of the following:

- 550 points in TOEFL
- 6.5 in IELTS
- B in the Cambridge Certificate in Advanced English
- Cambridge Certificate of Proficiency in English

Application deadline

International applicants: 15 June
German applicants: 15 July

Submit application to

International applicants must apply online via <https://www.uni-assist.de/en/?site=1&cHash=c5639129f2ca41a6f4e49cdb878ad561>

German applicants must apply online at <https://www.htw-dresden.de/studium/vor-dem-studium/bewerbung-und-zulassung>.

Services

Possibility of finding part-time employment

On-campus: A limited number of student assistant positions and tutoring jobs are available. Knowledge of English is usually sufficient for these positions.

Off-campus: Students are allowed to hold off-campus jobs for a maximum of 20 hours per week during the lecture period and to work a maximum of 240 half days per year (according to regulations for foreign students requiring a visa). A minimum of a basic knowledge of German is usually required for off-campus positions.

Accommodation

The Studentenwerk Dresden is responsible for student services. It offers a wide range of accommodation for students. Students can choose between small apartments for individuals, large apartments for student families, and numerous single and double rooms in flat shares. Students have to apply for accommodations via an online application procedure: <http://www.studentenwerk-dresden.de/english/wohnen/antrag.html>

Private housing can be found online: <http://www.wg-gesucht.de/en/>

Career advisory service

The Career Service of HTW Dresden assists students with job search and applications via workshops, individual consultations and coaching sessions. HTW Dresden also has a Consulting Centre for Company Founding ("HTW-Gründungsschmiede"), which helps new startups concretise a business idea, create a business plan and use work stations and infrastructure for free.

Support for international students and doctoral candidates

- Welcome event
- Pick-up service
- Specialist counselling
- Buddy programme



Studying at HTW Dresden - University of Applied Sciences

Join Averil at the HTW Dresden and get an insight into the laboratories and lecture halls of the university and the student life in Dresden. Studying at the HTW Dresden is characterised by practice-oriented teaching in small study groups and intensive support from the teaching staff.

Find out more about our application process: www.htw-dresden.de/degreestudents

» more: https://www.youtube.com/watch?v=ogqF_Yt9Xic

Hochschule für Technik und Wirtschaft
Dresden – University of Applied Sciences



HTW Dresden – central building

© HTW Dresden - Peter Sepp

Engineering, economics, design, and "green" disciplines represent the primary focus of the Hochschule für Technik und Wirtschaft Dresden - University of Applied Sciences.

Studies at the HTW Dresden focus on practical education, giving you an excellent hands-on study experience. In addition, the HTW Dresden is well-connected and works closely with partners in the industry.

State-of-the-art laboratories, the university's globally connected computer network, an extensive library, and a language centre also ensure an effective and top-quality study.

The central campus is located on the southern edge of the Dresden city centre in close proximity to the main railway station and provides a relaxed social atmosphere that facilitates contact with fellow students as well as activities and social events hosted by the student council. The campus at Pillnitz is situated in the immediate vicinity of the famous Pillnitz Castle and Park. Rich in tradition and surrounded by a beautiful natural landscape, this campus is home to the Faculty of Agriculture/Environment/Chemistry.

The HTW Dresden also offers a variety of sports, musical performances and cultural experiences.



University location

Dresden, the capital city of the state of Saxony, is located in the Elbe river valley, one of Germany's most scenic landscapes. Dresden has all benefits of a major city and is a great base for excursions to explore the nature that surrounds the city.

The city's cultural life is diverse. Students can explore baroque buildings, the Old Master's Gallery and treasure chambers like the Green Room. The city also offers an array of theatres, concert venues, open-air stages, clubs, party locations and festivals. Old Town street cafés purvey Mediterranean flair, whereas the modern New Town, the "Neustadt", attracts guests to its trendy bar and pub scene and is a particularly lively place to meet students and friends after class.

In addition to arts and culture, business and science shape the image of Saxony's capital, which has become one of the top technological regions in Germany.

Dresden is well connected to other European cities/capitals by plane, train and bus, offering many options to discover culture in Europe. Further information is available at: http://www.dresden.de/index_en.php.

Contact

Hochschule für Technik und Wirtschaft Dresden – University of Applied Sciences
Faculty of Civil Engineering

Jakob Ebermann

Friedrich-List-Platz 1
01069 Dresden

✉ environ.eng@htw-dresden.de

🌐 Course website: <https://www.htw-dresden.de/studium/vor-dem-studium/studienangebot/master-environmental-engineering>

📘 <https://www.facebook.com/HTWDresden>

🐦 <https://twitter.com/dresdenhtw?lang=de>

📷 <https://www.instagram.com/htwdresden/>

📺 https://www.youtube.com/channel/UCykd_8EtaqP0QYQYNVO8MSg

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.
German Academic Exchange Service
Section K23 – Information on Studying in Germany
Kennedyallee 50
D-53175 Bonn
www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
www.gate-germany.de

Disclaimer

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