



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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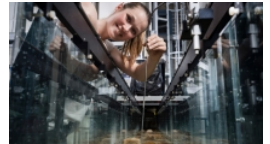
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# Master's degree



## Water Engineering

Magdeburg-Stendal University of Applied Sciences • Magdeburg



## Overview

Degree	Master of Engineering
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	<ul style="list-style-type: none"><li>All courses are held in English (100%).</li><li>Additional German courses are offered.</li></ul>
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	3 semesters
Beginning	Winter and summer semester
Application deadline	<b>Application with foreign certificates</b> Application deadline for winter semester: 1 May Application deadline for summer semester: 30 November  <b>Application with German certificates</b> Application deadline for winter semester: 31 May Application deadline for summer semester: 15 January
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

### Description/content

The objective of the programme is to acquire fundamental professional knowledge and the ability to work independently in accordance with scientific methods, to master the varied demands of working life in applied practice, research or teaching, and to deal effectively with the frequently changing tasks that arise in the professional life of an engineer working in water management.

With the Master's programme in Water Engineering, graduates acquire expertise in the fields of

national and international water management planning processes, in drinking water supply and waste water disposal, hydrology, hydraulic engineering and experimental hydraulics, in restoration ecology and in biotechnology and river morphology, and also in flow and process modelling.

## Course Details

Course organisation	<p><b>Summer semester (Magdeburg)</b></p> <p>Compulsory modules</p> <ul style="list-style-type: none"> <li>• Hydraulic Planning and Projects II</li> <li>• GIS and Hydrology</li> <li>• Restoration Ecology</li> </ul> <p>Optional Courses (2/4)</p> <ul style="list-style-type: none"> <li>• Experimental Hydraulics II</li> <li>• Computational Fluid Dynamics II</li> <li>• River Morphology</li> <li>• Environmental biotechnology and hydrochemistry</li> </ul> <p><b>Winter semester (A Coruña)</b></p> <p>Compulsory modules</p> <ul style="list-style-type: none"> <li>• Hydrological Planning and Projects I</li> <li>• Water supply and drainage systems</li> <li>• Physico-Chemistry and quality of water</li> </ul> <p>Optional Courses (2/4)</p> <ul style="list-style-type: none"> <li>• Experimental Hydraulics I</li> <li>• Computational Fluid Dynamics I</li> <li>• Water Treatment and Energy Efficiency</li> <li>• Groundwater Engineering I</li> </ul> <p><b>Third semester (A Coruña, Magdeburg, project partner, enterprise/institution)</b></p> <ul style="list-style-type: none"> <li>• Traineeship in an enterprise or university training</li> <li>• Master's Thesis</li> </ul>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> <li>• Integrated study abroad unit(s)</li> <li>• Language training provided</li> <li>• Courses are led with foreign partners</li> <li>• Projects with partners in Germany and abroad</li> </ul>
Integrated study abroad unit(s)	<p>The Master's programme is run by Magdeburg-Stendal University of Applied Sciences and includes an exchange semester at the University of La Coruña in Spain.</p> <p><b>Enrolment for the winter semester:</b> The first semester is taught at the University of La Coruña as an exchange semester and the second semester at Magdeburg-Stendal University of Applied Sciences.</p> <p><b>Enrolment for the summer semester:</b> The first semester is taught at Magdeburg-Stendal University of Applied Sciences and the second semester at the University of La Coruña as an exchange semester.</p>

Integrated internships	The third semester is a traineeship semester at one of the two named universities or at other participating universities or in companies/institutions.
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	Approx. 130 EUR per semester (including a semester ticket covering public transport in Magdeburg)
Costs of living	Accommodation: approx. 250 EUR Cost of living: approx. 200 EUR Students who have to apply for a visa need proof of sufficient financial resources (853 EUR per month).
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	Students of Magdeburg-Stendal University of Applied Sciences can be supported via ERASMUS+ for the winter semester at University of A Coruña. The internship in the third semester can be supported via ERASMUS+ or PROMOS where appropriate. In addition, students who enrolled in the summer semester can apply for the Deutschlandstipendium.

## Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none"> <li>• <b>Good or excellent</b> university degree</li> <li>• completed over a standard course duration of at least <b>seven semesters</b> or at least <b>210 credits</b></li> <li>• in the subjects of Water Management, Civil Engineering or a strongly related field</li> </ul> <p>Applicants who cannot meet the requirement for 210 credits but who can provide evidence of at least 180 credits will be given the opportunity to obtain the missing 30 credits over one semester of a Bachelor's programme before the start of the Master's course.</p>
Language requirements	<p>Evidence of knowledge of the English language to <b>level B2</b> of the Common European Framework (recommendations) must be provided in the form of:</p> <ul style="list-style-type: none"> <li>• IELTS exam - 5 or</li> <li>• Cambridge exam - First Certificate in English FCE (A-C) or</li> <li>• TOEIC - 541 or</li> <li>• TOEFL iBT - 87 (internet based) or</li> <li>• UNiCert II or</li> <li>• ALTE level - Level 3 or</li> </ul>

- equivalent tests

In cases of doubt, the Board of Examiners will decide whether sufficient evidence of English language skills has been demonstrated.

Applicants may be exempt from providing evidence of their English language skills if they were taught in a bilingual school (to at least the end of year 10), if they are native speakers, or if they can show evidence of a period of at least half a year spent at an English-speaking school, university or other institution.

#### Application deadline

##### Application with foreign certificates

Application deadline for winter semester: 1 May

Application deadline for summer semester: 30 November

##### Application with German certificates

Application deadline for winter semester: 31 May

Application deadline for summer semester: 15 January

#### Submit application to

Application with foreign certificates via <https://www.uni-assist.de/en/>

Application with German certificates via <https://onlinecampus.h2.de>

## Services

#### Possibility of finding part-time employment

- Qualified students can work as academic assistant at institutes of our university or at companies in the region.
- A comprehensive collection of links to miscellaneous job web sites is offered by the [Career Center](#).
- All relevant information on working while you are a student is available from the web site of the [German Academic Exchange Service \(DAAD\)](#)

#### Accommodation

Accommodation is available from the Studentenwerk Magdeburg or on the private market. Students must organise their own accommodation. The university's International Office provides helpful information on how to find accommodation.

#### Career advisory service

A comprehensive collection of links to miscellaneous job websites is offered by the university's [Career Center](#).

#### Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Cultural and linguistic preparation
- Pick-up service

#### Supervisor-student ratio

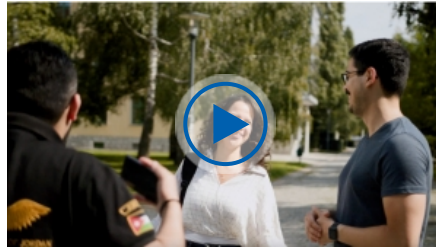
Students benefit from a very good student-to-faculty ratio.



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## Norma Sevilla Graduate of the Water Engineering Master's programme

Because of the international characteristic of the programme, my Master's programme has given me a broad idea of water management and how it is being handled in different countries. I have the opportunity to share and discuss with my classmates with the guidance of professional teachers as we exchange ideas on these topics, so everything is very dynamic and interesting. I'm looking forward to continuing to learn more about the correct management of our precious natural resource, water.



## Study at Magdeburg-Stendal University of Applied Sciences

Our graduate Norma shows you the benefits of studying in Germany at Magdeburg-Stendal University of Applied Sciences.

» more: <https://youtu.be/QHgp-H6YPys>

# — Magdeburg-Stendal University of Applied Sciences —



Studying in green places

© Bastian Ehl

### A young university

Founded in 1991, the university has long gained a reputation for its well-rounded academic education programme and motivated student body. Interested students can choose from around 50 study programmes taught at three departments in Magdeburg and two departments in Stendal. Around 130 professors guarantee a very good student-to-faculty ratio, with approximately 3,700 students in Magdeburg and 1,800 in Stendal.

### Innovative degree programmes

If you are considering studying in a foreign country like Germany, you probably enjoy the new and exciting. Perfect! The university offers new and exciting fields of study like Applied Childhood Studies, Safety and Hazard Prevention, and Sign Language Interpreting.

### Practice-oriented studies

If you have experienced overly theoretical lectures in secondary school, you probably prefer learning “hands on”. Excellent! The university focuses on practice-oriented studies that connect in-classroom learning with practical experience.

### Green campuses

If you are about to start your student life, you probably are thinking about having fun. Rock on! Magdeburg and Stendal are great places for students. The student committee organises parties, the sports office keeps you active, and the green campuses are perfect for chilling out after class.

### Low costs

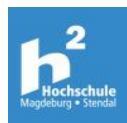
If you are about to start your student life, you probably are thinking about your student budget. No problem! The semester fee is affordable, and in Magdeburg, it also includes the use of the local transit system. The housing in Magdeburg and Stendal is low-price and good quality.

### Language courses and cultural events

If you are reading this, you probably have already learned at least a foreign language, namely English. Great! The university provides ample opportunity for expanding your horizons through language courses and cultural events.

### In the heart of Germany

The central location of both sites within Germany enables rapid connections to Berlin, Hannover or Leipzig. The location is ideal for excursions to these cities!



## University location

With 1,200 years of rich and colourful history, Magdeburg is one of the oldest cities in the new Laender of the former East Germany. There are only few cities in Central Europe which compare to Magdeburg in terms of its eventful historical past.

**Magdeburg is a student city with almost 20,000 students which offers a wide range of activities and discounts for students!**

The sights and attractions that can be found in Magdeburg reflect the **eventful past and present** of the metropolis on the river Elbe. Come and visit the capital city of the German State of Saxony-Anhalt for yourself and explore a **fascinating location** situated right at the heart of Germany.

**Magdeburg Cathedral, which is dedicated to St. Maurice and St. Catherine**, and the **Art Museum in the Monastery of Our Lady** are just two examples of some of the city's most famous sights and attractions. We therefore strongly recommend that you pay these religious buildings a visit during your time in Magdeburg.

Magdeburg is not only home to a number of historical sights and landmarks, but also to a **multitude of modern attractions** such as the **Magdeburg Waterway Junction**, which boasts the world's longest canal bridge, and the **“Green Citadel of Magdeburg”**, a building designed by the famous artist Friedensreich Hundertwasser.

You should also be sure to pay a visit to the **old market square (Alter Markt)**, where you can view the **“Magdeburg Horseman” statue**, which is believed to depict Emperor Otto the First, and the Old Town Hall.

The [city of Magdeburg's website](#) provides an excellent overview of all of the sights and attractions in Magdeburg, the capital city of the German Land of Saxony-Anhalt, that are well worth a visit.

# Contact

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Study Advisory

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39114 Magdeburg

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✉ [study@h2.de](mailto:study@h2.de)

🌐 Course website: <https://www.h2.de/en/studies/masters-programmes/water-engineering.html>

📘 <http://www.facebook.com/h2internationales>

🐦 [http://twitter.com/hs\\_magdeburg](http://twitter.com/hs_magdeburg)

🌐 <http://www.linkedin.com/school/hochschule-magdeburg-stendal/>

📷 <http://www.instagram.com/h2.international/>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://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](http://www.daad.de)

## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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